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- Subsurface Water
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- Wastewater Management
- Environmental Challenges
- Wildlife and Plant Life
- Open Space Inventory
- Conceptual Long-Term Vision
- Long-Term Vision
- 7-Year Action Plan

*Prepared by: Annie Cox, Jamieson Scott,
Jennifer Watkins
Conway School of Landscape Design
March, 2010*





TOWN OF MARSHFIELD
OPEN SPACE COMMITTEE
870 MORaine STREET
MARSHFIELD, MA 02050
781-834-5573
781-837-7163 Fax

April 6, 2012

Melissa Cryan
Executive Office of Energy and Environmental Affairs
100 Cambridge Street , Suite 900
Boston, MA 02114

Dear Ms. Cryan,

It is with great pleasure that we submit the Marshfield, Massachusetts 2010 Open Space and Recreation Plan in it's final version. Enclosed you will find the draft plan approved on February 21, 2012 with the addition of Public Comments received. We appreciate your feedback and assistance in the development of this plan.

The Committee has spent a great deal of time and thought in preparing a plan that we are confident is a reflection of the Open Space and Recreation needs of the community. We look forward to working towards the achievement of the ambitious goals set out in this plan to continue a long Marshfield tradition of environmental protection and concern for the community.

Sincerely,

Marshfield Open Space Committee
Susan Caron, Chair
Chris Ciocca, Vice Chair
Karen O'Donnell, Secretary
Robert Shaughnessy
Sue MacCallum
Thomas Whalen
Al Mello



Deval Patrick
GOVERNOR

Timothy Murray
LIEUTENANT GOVERNOR

Richard K. Sullivan, Jr.
SECRETARY

The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

Tel: (617) 626-1000
Fax: (617) 626-1181

February 21, 2012

Jay Wennemer
Conservation Commission
870 Moraine Street
Marshfield, MA 02050

Re: Open Space and Recreation Plan

Dear Mr. Wennemer:

Thank you for submitting Marshfield's Open Space and Recreation Plan to this office for review for compliance with the current Open Space and Recreation Plan Requirements. I am pleased to write that the plan is approved. This final approval will allow Marshfield to participate in DCS grant rounds through June 2017.

Congratulations on a great job. Please call me at (617) 626-1171 if you have any questions or concerns about the plan.

Sincerely,

A handwritten signature in cursive script that reads "Melissa Cryan".

Melissa Cryan
Grants Manager



**TOWN OF MARSHFIELD
OPEN SPACE COMMITTEE
870 MORaine STREET
MARSHFIELD, MA 02050
781-834-5573
781-837-7163 Fax**

January 12, 2012

Melissa Cryan
Executive Office of Environmental Affairs
100 Cambridge Street, Suite 900
Boston , MA 02114

Dear Ms. Cryan

Thank you for your comments on our first Draft OSRP 2010. Enclosed you will find a revised draft that is also being sent to MAAPC, Dept. of Fisheries and Wildlife, Manomet Center for Conservation, Wildlands Trust of Southeastern Mass, Mass Audubon and The North and South River Watershed Association for their comments.

We have made every effort to address your comments provided previously and for your convenience I have summarized your requested changes and refer you to the pages on which the corrections appear. We have also made additional edits in some areas and revised our goals and objectives.

We thank you for your willingness to review the draft at this time. When our public comments have been submitted, we will forward you the revised and completed plan.

Requested Edits:

1. Include socio-economic information in Regional Context Section
Section 3A pg. 4
2. Include information on Public Shade Trees
Section 4D pg. 19

3. Address Environmental Challenges regarding Chronic Flooding, Forestry Issues, Environmental Equity

Section 4G pgs. 26-28

4. List condition and recreation potential for town owned conservation/recreation property

See appendix I

5. Include information from SCORP 2006 related to Marshfield's needs

Section 7B pgs. 33-34

6. Identify potential funding sources and give more specific time ranges for objectives

Section 9 pgs. 38,41,47

7. Letters of review from Regional Planning, Planning Board and Municipal Officer

Section 10 Planning Board, Board of Selectman letters. Regional Planning Office to be

Submitted, in progress with other outside reviews

8. ADA Plan required

See Appendix J

We hope that you find our efforts to address your comments to be satisfactory. The Open Space Committee has spent considerable time to further review the original draft prepared by the Conway Graduate School to be sure it is an accurate reflection of the open space and recreation needs for Marshfield. We are already working towards achieving the ambitious goals outlined in our 2010 Draft submitted in March 2010 and look forward to having our final plan completed and approved.

Please contact Jay Wennemer at jwenemeer@townofmarshfield.org , 781-834-5573 or Susan Caron at elisastephen@comcast.net , 781-424-7419 for any questions or concerns.

Sincerely,

Jay Wennemer
Conservation Agent

Susan Caron
Chair, Open Space Committee



The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

Deval Patrick
GOVERNOR

Timothy Murray
LIEUTENANT GOVERNOR

Ian Bowles
SECRETARY

Tel: (617) 626-1000
Fax: (617) 626-1181

June 15, 2010

Jay Wennemer
Conservation Commission
870 Moraine Street
Marshfield, MA 02050

Re: Open Space and Recreation Plan

Dear Mr. Wennemer:

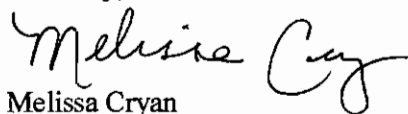
Thank you for submitting the draft Open Space and Recreation Plan for Marshfield to this office for review and compliance with the current Open Space and Recreation Plan Requirements. This plan was particularly thorough and has been conditionally approved through June 2017. Conditional approval will allow the town to participate in DCS grant rounds through June 2017, and a grant award may be offered to the town. However, no final grant payments will be made until the plan is completed.

Once the following items are addressed, your plan will receive final approval:

1. Regional Context – please include the town's socio-economic context.
2. Vegetation – please include information on public shade trees
3. Environmental Challenges – additional information on chronic flooding, forestry issues, and environmental equity issues is needed. Environmental equity refers to the availability to open space for residents in different areas of the community.
4. Section 5 – the table in the appendix that lists all town-owned conservation and recreation properties should have the condition and recreation potential columns filled in.
5. Analysis of Needs – the Community Needs should include information on the SCORP and how it pertains to Marshfield. It can be found online at <http://www.mass.gov/Eoeea/docs/eea/dcs/massoutdoor2006.pdf>. The needs of special groups, such as the handicapped and elderly, must be addressed.
6. Seven-Year Action Plan – each objective should have a potential funding source included. Also the vast majority of the objectives were to be undertaken during 2010-2017. I would suggest giving a more specific range of dates during which the different activities will be completed.
7. Letters of review from the regional planning agency, planning board, and chief municipal officer must be included.
8. The ADA plan was not included. Please send it in.

Congratulations on a great draft plan! Please contact me at (617) 626-1171 or melissa.cryan@state.ma.us if you have any questions or concerns, and I look forward to reviewing your final plan.

Sincerely,

A handwritten signature in black ink that reads "Melissa Cryan". The signature is written in a cursive, flowing style.

Melissa Cryan
Grants Manager

SECTION 1: Plan Summary

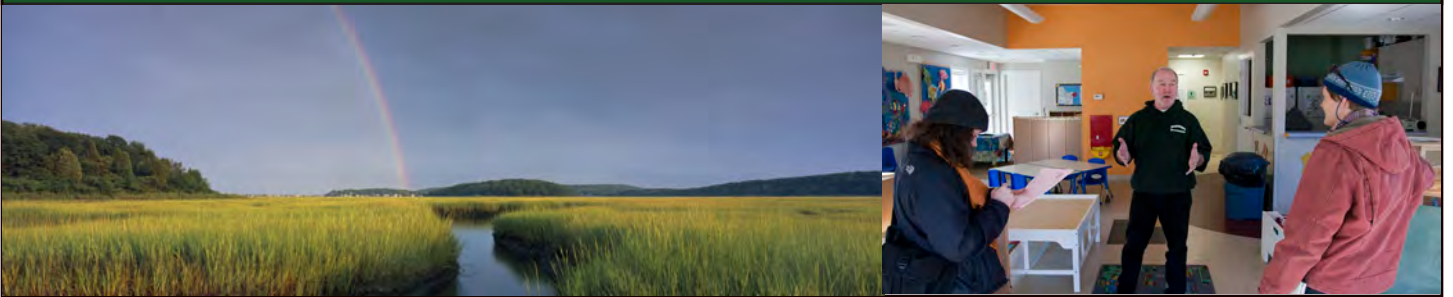


Photo Credits

Left to Right: Mike Sleeper, Jamieson Scott

1. PLAN SUMMARY

Marshfield is a South Shore coastal town. Its coastline and proximity to Boston make it an attractive community to live in year round or vacation in during the summer. Its marshes offer scenic views, prime animal habitat, and protection from coastal storms. The three brackish rivers that meet the Atlantic Coast in Marshfield are home to endangered animals and plants and provide recreational opportunities for the residents and visitors.

Being a coastal town, especially as a bedroom community of Boston, brings considerable development pressures to the landscape. The drinking water is solely provided by the aquifer beneath Marshfield, and maintaining its purity is the community's first concern. Since the 1970s, Marshfield has been acquiring open space parcels buffering public wells and within the aquifer recharge areas. Presently 3,026 acres are protected in perpetuity and managed municipally. However, large acreage of developable land remains unprotected within aquifer recharge areas, core wildlife habitat, and rare plant communities. In addition, within the 3,026 protected acres there are few trails. The community would like a network of trails throughout the open spaces.

To preserve Marshfield's open space from unmanaged growth and preserve its natural resources, the community has developed these key goals:

1. Protect lands within aquifer recharge areas.
2. Buffer and link protected lands for wildlife habitat.
3. Provide additional buffer and protection to the watershed areas surrounding the riverfront areas of the North, South, and Green Harbor Rivers.
4. Blaze, map, and maintain existing trails.
5. Create new trails.
6. Involve residents in managing open space.

This Open Space and Recreation Plan recommends steps in a seven-year action plan to advance the town's open space aspirations. These actions are rooted in residents' desires for Marshfield and outline steps to secure funding, manage land acquisition, and encourage environmental stewardship of open space. Specifically the plan designates areas that are aquifer recharge areas and wildlife habitat that would provide connections to protected lands. The goals in this plan are ambitious and direct Marshfield's land planning in ways that will benefit both the residents and the landscape.

SECTION 2:

Introduction



Photo Credits

Left to Right: Mike Sleeper, Jamieson Scott

2. INTRODUCTION

This Open Space and Recreation Plan (OSRP) is a 2010 revision and update of the 2005 OSRP prepared by the Marshfield Conservation Commission, Open Space Commission, and Recreation Commission.

2A. Statement of Purpose

Most undeveloped lands—“open space”—in Marshfield (e.g., salt marshes, forests, riparian areas) are not protected in perpetuity. Much of this open space falls within aquifer recharge zones and core flora and fauna habitat designated by NHESP. A comprehensive and coordinated approach to assessing and planning Marshfield’s land is necessary to discourage development of these areas and the loss of these natural resource values. Improving upon existing public recreation areas and creating new ones

are further priorities for the community. This Open Space and Recreation Plan inventories and analyzes the town’s open spaces and uses. Based on the community’s needs for conservation and recreation, an action plan is created to meet these needs. This OSRP strives to balance the community’s desire for protecting drinking water, preserving animal and plant habitat, and providing diverse recreational opportunities within the town.

2B. Planning Process and Public Participation

For the past quarter century, Marshfield has been fortunate to have many open space advocates and committed public servants who have been instrumental in conserving 3,026 acres. The Open Space Committee (OSC) invited the Conway School of Landscape Design graduate student team to complete a draft of the 2010 update that will be reviewed and completed by the town. Both groups have worked closely together to create a plan that carefully addresses the goals of the community.

Since the 2005 OSRP, the OSC has primarily focused on implementing and monitoring that plan. In the process, 270 acres were protected, including 111 acres for town open space, 100 acres for water supply protection, 40 acres for Massachusetts Audubon conservation land, and 20.23 acres as other conservation land. The Open Space Committee publicized two public forums (January 12 and March 2, 2010), which the Conway students led. The Mass Audubon Sanctuary director created and

distributed surveys (both paper and electronic). Marshfield community members expressed their concerns, priorities, and hopes for town open space through the survey and public forum meetings, which has guided the OSRP revision. After the acceptance of the 2010 OSRP, the Open Space Commission will conduct annual reviews of this plan to ensure that it continues to reflect the needs of the town for years leading up to the next OSRP in 2017.

The Open Space Committee holds public meetings monthly to discuss ongoing open space and recreation concerns.

SECTION 3:

Community Setting



Photo Credits

Left to Right: Mike Sleeper, Ned Bangs

3. COMMUNITY SETTING

3A. Regional Context

Marshfield is located on the coastline of Massachusetts Bay, thirty miles south of Boston and twelve miles north of Plymouth. The town is in the northeast portion of Plymouth County, which is made up of twenty-six towns and one city, and is in the southeast corner of the Metropolitan Area Planning Council, which includes 101 communities surrounding Boston.

Marshfield is bound by the Atlantic Ocean on the east, and bordered by the town of Duxbury on the south and southeast, Pembroke and Norwell on the west, and Scituate on the north. It comprises 31.75 square miles (28.5 land; 3.25 water). The town is hilly in the north and west, but fairly flat in the south. The North and South Rivers, the Green Harbor River, and many ponds scattered throughout the area add to the beauty of the town.

Marshfield's proximity to Boston and desirable coastal scenery, however, has brought development pressures. Preserving open space for water resources, natural plant and wildlife habitats, and recreation is imperative for the future health and stability of Marshfield's community.

The Massachusetts Workforce Development report Marshfield's population to be 24,890 in 2005, a 2.3% increase for the first half of the decade similar to growth rates for many neighboring communities. This is a significant drop in the growth rate of 13% from 1990 to 2000.

97.7% of the population is white and 86.8 % of occupied housing units are owner occupied. 19.6% of households have residents over the age of 65, while

37.4% of households are families with children under the age of 18.

2010 data report an unemployment rate of 8.5%, just below the 8.8% statewide average and 9.6% national average. Marshfield's median household income in 1999 was \$66,508, slightly above the statewide average of \$ 50,502 for the same period according to the 2000 census report.

The housing market has experienced the same declines as seen throughout the state, but home prices remain above the state wide average. The average price of a single family home has declined from a high of \$459,735 in 2007 to \$399,825 in 2008 and gaining slightly in 2009 to \$405,171, while the statewide median home price is \$269,950 for 2009.

3B. History of the Community

Generations of Algonquin Indians, of which the local Wampanoags were a sub-tribe, lived in Missauchtucket, the area now known as Marshfield, hunting, fishing, tending their fields of corn, and raising their families. After the settlers from the *Mayflower* began to look for better farmland outside of Plymouth around 1620, the Indians granted them land along the fertile river valleys of Duxbury and Marshfield.

The North River played an important role in the development of Marshfield. It was invaluable as a means of travel, as a source of salt meadow hay, clams, and fish, and from 1650 to 1850, as a shipbuilding center known throughout the world. More than a thousand vessels were built and launched down this narrow, winding, tidal river. After the shipbuilding industry ended, the population declined until the railroad came to Marshfield in

1870, and brought summer residents, many of who settled here. Historically, Marshfield's industries have included farming, salt works, fishing, sawmills, gristmills, shipbuilding, iron industry, and nail manufacturing.

An upper-middle-income Boston suburb, Marshfield has developed both as a community with its own supporting economy and as a commuter town for Boston. Marshfield supports fishing, retail, restaurants, and a summer tourist industry. The beaches and the North and South Rivers offer scenery and recreation opportunities. The rolling hills, tree-lined streets, forested areas, and broad meadows offer a peaceful, country-like setting in an area that is only a short distance from the major metropolitan area of Boston.

3C. Population Characteristics

Summary: Marshfield's open space and recreation needs can in part be understood by looking at changes in population characteristics over time. Marshfield's projections of age distribution help the town anticipate the recreation and open space needs of its youth, families, and senior citizens.

Table 1. Percent of Population Growth from 1980-2000 in Marshfield

	Percent Population Growth 1980-2000	Projected Population Growth 2000-2020
Massachusetts	10.67%	6.59%
Plymouth County	16.62%	9.48%
Marshfield	16.29%	2.29%

Data provided by MISER from Census 2000.

The 2001 Metropolitan Area Planning Council Build out Projections for the town indicate that Marshfield could grow by an additional 2,015 dwelling units with a projected population increase of 4,963 residents.

Population Trends

Since the 1940s Marshfield's population has steadily increased. The building boom of the 1980s increased the number of subdivisions and dwellings, creating additional stress on town services and on open space. Marshfield is a desirable community on the South Shore as it offers coastline, over 3,026 acres of protected open space, and easy interstate road access. These are also the primary reasons the population increases in the summer by an estimated thirty percent.

Massachusetts Institute for Social and Economic Research (MISER) projects Marshfield's total population will increase by 2.29% from 2000 to 2020 (Table 1); however, there will be important changes in age distribution. By 2020, Marshfield will see a decrease in its school-age children, an increase in its retired citizens, and minor shifts in working adults, college-age adults and toddlers (MISER 2003). These changes will affect future planning, resource allocation, and types of recreational services Marshfield will need to provide. The recreation department, for example, is beginning to provide elevated planter boxes in their community garden. However, more recreational facilities for the elderly will be needed.

Plymouth County is projected to grow at a greater percentage than Massachusetts as a whole and MetroFuture predicts maturing suburbs, such as Marshfield, are projected to grow 14% by 2030. If Marshfield's population does not increase, serving its aging population will be a priority; however, if the population does increase in the ways MetroFuture has projected, the town will need to be prepared for greater development and to provide ADA compliant recreational facilities for all ages.

Population Density

The population density in Marshfield varies from a little more than three-

quarters person per acre in the western quarter of the town, to one person per acre in the eastern and central third of the town, and up to two persons per acre in the southeastern third of the town. The highest population density occurs along Route 139 from the Pembroke line, east to the coast, then south and west to Webster Street. This high density is partly due to the apartments, condominiums, and housing for the elderly in this area. In addition, higher population densities occur along the coastlines. Half of the summer cottages have been converted to year-round residencies in the Marshfield area. The largest tracts of open space are found in the northern portion of town where it is the least dense. Future recreational facilities should be planned next to greater concentrations of housing in the southern portion of town, and near elderly homes.

Employment Trends

Marshfield has approximately fifty businesses, the majority of which are retail, followed in number by food and alcohol service, which employs the most people (2006-08 American Community Survey). These industries are restricted to the business districts, primarily along Route 139 and the town center shopping area as well as a small business village in the Brant Rock beach area. (see Zoning map). Only a small percentage (19%) of employed Marshfield residents work in Marshfield; 81% work outside of the town (2006-08 American Community Survey). The town of Marshfield is the largest employer in town, with the majority of people working in education, healthcare and social assistance (2006-08 American Community Survey). The mean family income in 2008 was \$105,831, nearly double that of Massachusetts's mean 2006 family income of \$59,996 (2000-2006 American Community Survey).

3D. Growth and Development Patterns

Patterns and Trends

Marshfield began as a seaside community relying on the North River and Atlantic Ocean as resources for employment and trade. Its present picture is quite different. It has grown to be a popular bedroom community for Boston commuters. Easy access to the Southeast Expressway has enhanced its popularity as a residential community and its seaside location continues to draw a large summer population. This combination has created traffic congestion, which worsens during summer months.

Marshfield is an increasingly affluent community, with high-priced homes replacing original cottages. This trend in building has left many lifelong elderly residents, lower-wage earners and many younger residents who may have grown up in town unable to remain here or purchase homes. Because Marshfield lacks affordable housing, there is concern in the community that Chapter 40B housing will allow a developer to circumvent current zoning requirements, and build more densely on land that would otherwise not be suitable, such as on sensitive Zone II aquifer recharge land. According to the US 2000 Census, Marshfield does not have environmental justice populations. However, a plan for affordable housing is needed that creates solutions for those in need, does not sacrifice the town's need to protect the environment, and water supply, and preserves those natural resources and historical qualities that make Marshfield a desirable community in which to live.

Infrastructure

A) Transportation Systems

Increased roadway traffic is one of the largest issues facing Marshfield today. The two major roadways—Route 139, which intersects with Route 3 and circles through town, and Route 3A—have

experienced increased traffic proportional to the population growth. Despite convenient public transportation to Boston via the Old Colony Rail Line, with several stations within twenty-five minutes of Marshfield and commuter boats to Boston leaving from nearby Hingham, most commuters still leave town via Routes 139 or Route 3A to reach metropolitan Boston by car.

Public Transportation is provided by the Greater Attleboro Town Regional Transit Authority (GATRA), which loops around town and will pick up or drop off people anywhere along the route. It is easy for a bicyclist to use the bus because buses have bicycle racks. The Plymouth and Boston (P&B) bus runs from the Roche Brothers Market on Rte 139 with service to Boston daily. The GATRA bus provides links to the P&B bus for transportation to Boston, Duxbury, Kingston and Plymouth. The Greenbush Line station in Scituate is designed for vehicles to be driven to; it is not served by local public transportation. A cyclist would have to ride on busy Route 3A to get to the station from Marshfield. The Mass Bay Commuter Lines offer water shuttle services to Boston from Hingham, Hull, and Quincy, towns north of Marshfield.

There are nearly fifteen miles of hiking trails in Marshfield's open spaces. The longest trail is two miles. They lack significant management, signs, trail markers, or parking.

The town presently has sidewalks along Route 139, along some town-owned roads and within the newer housing developments. Sidewalks are lacking along many town roads. Sidewalks are needed to connect destination points, such as downtown, schools, beaches, and

other places of interest, throughout the town.

B) Water Supply Systems

Marshfield's municipal drinking water supply is dependent on its six aquifers and twelve gravel-packed overburden (the water-bearing soils over bedrock) wells and three well fields. It serves four communities: Marshfield, parts of Scituate (Humarock), Duxbury (Duxbury Beach) and Pembroke (East of Route 3 along Route 139). The system is vulnerable during periods of high demand; landscape irrigation is a major consumer of water during the summer months. The saltwater rivers in town restrict the areas that can be tapped for water because the intrusion of salt water into wells could render them unusable; no place in Marshfield is over two miles from tidal waters.

The greatest concern for the quality of Marshfield's drinking water is impact from residential and commercial development and the septic systems located above the town's aquifers and near water supplies. Marshfield owns the minimum amount of land required by the state around each municipal well and has Water Resource Protection zoning restrictions within the areas that contribute recharge (Zone II) to each of its municipal water sources.

C) Municipal Sewer Service

The Sewer District extends primarily in the southern end of town and serves the beach areas and downtown where groundwater levels are high and development is dense. Inflow/infiltration from groundwater in the existing sewer lines has caused sewer flow fluctuation during wet conditions in low-lying areas. There are no municipal drinking water wells within the current sewered area.

Long-Term Development Patterns

A) Commercial Development

Commercial Land uses are predominantly located along the Route 139 corridor. The two most heavily developed commercial

districts run along Rte. 139 (Plain St.) from the Pembroke town line to Furnace St. Another densely developed business district extends along Plain St. from Rte 3A to Webster St. The town of Marshfield is made up of villages that all contain small and unique business districts. The village of Brant Rock has a mix of shops, restaurants and pubs. The villages in Marshfield Hills, Humarock, Fieldston, Green Harbor and Rexhame have smaller businesses that provide convenience to area residents. The centrally located downtown area has the highest concentration of commercial and retail establishments. A new commercial village is emerging in the Planned Mixed Use Development District off of Plain St. in the area of Roche Brothers Supermarket. The town's Industrial Zoning District is located off Rte 139 bordering Pembroke.

B) Residential Development

Marshfield has three residential zoning districts: Residential Rural (R1), one acre lot size; Residential Suburban (R2), half acre lots and Residential Waterfront (R3), 10,000 sq. ft. lot size. Approximately 95 % of the town's land area is zoned for residential uses. The coastal areas of the town that were developed predominately as seasonal cottages are the most densely developed with lots sizes 10,000 sq.ft. or smaller. The southern part of town, south of Rte 139 has predominantly half acre lots and the northern sections, north of the South River is comprised of one acre lots or larger.

Open Space and conservation land has been added to the town's inventory through the efforts of past public officials and land protection advocates. Increased demand for housing, increased land values, and the impact of Massachusetts General Law Chapter 40B enacted to facilitate the development of affordable housing have put the remaining unprotected open space at risk for development through overrides of existing zoning.

Current Development

Since the 1900's there have been many changes in land use patterns. What were once open fields and farm land have reverted back to forested woodlands when many farms were abandoned after World War II. In the last two decades there has been a great loss of these forests because of the growth of residential subdivisions. While some zoning regulations and other protective laws brought many of the spiraling changes of the 1950's and 1960's under regulation, they also contributed to the present day suburban sprawl that threatens many of the town's natural resources. Numerous hiking and riding trails have disappeared because of the new subdivision development (Marshfield OSRP 2005) and the drinking water supply remains at risk of contamination from many aging private septic systems associated with these residential developments.

One of the goals of this Open Space Plan is to preserve existing wildlife habitat and corridors. In an effort to protect the remaining tracts of undeveloped land, the Planning Board encourages developers to consider Open Space Residential Developments (OSRD) and Age Restricted Adult Villages (ARAV). Both of these types of developments require that 50% of the land area be set aside as protected open space. The open space is protected by a Conservation Restriction and can serve as both wildlife habitat and if it abuts other open space, can provide for wildlife corridors. Residents in the development have the added benefit of having land for open space and recreation in their neighborhood.

The town protects its ground water resources with a Water Resource Protection (WRPD) Overlay Zoning District. Section 13.03 of the Zoning Bylaw regulates land use activities with the WRPD, which encompasses the same geographical area as the Zone II. Most types of development activities in this area

require a Special Permit issued by the Planning Board. Real estate developed must demonstrate that their development plans will not result in the discharge of waste water containing greater than 5 parts per million of nitrogen. The State's maximum allowable concentration of nitrogen is 10 parts per million. Marshfield's more restrictive environmental performance standard is intended to be more conservative in order to protect our sole source of drinking water.

The Open Space Committee prioritizes land for acquisition and protection that is located within the WRPD or Zone II and land containing mapped priority habitat and connecting to other protected properties. Preserving as much developable land as possible remains a priority for the community, to preserve the ecological integrity of the remaining forest land as well as preserve the scenic and historic character of the town.

Despite the efforts to plan growth and preserve resources, a full build out of remaining developable land can have a detrimental effect on the environment.

The effects could include:

- Fragmentation and greater isolation of forest tracts
- Increase in invasive plant species
- Increase in nest predators and nest parasites
- Increased point and nonpoint source pollution into existing sensitive resources (e.g., vernal pools, wetlands) from development encroachment due to insufficient buffer zones
- Increased road mortality of wildlife species with increased traffic
- Overall decrease in native flora and fauna biodiversity

Should all the remaining parcels be developed it could greatly strain the natural resources of the town, affect quality of life by creating further congestion of the roadways, and have

economic implications because it would require expansion of the infrastructure including the need to increase the water supply.

Current Approved Developments

1. Approved Age Restricted (55+) Housing Proposals

Eames Brook Farm	14 units		9.6 acres
Pudding Hill 66	units	42	acres
The Seasons 5	units	22.7	acres

2. Approved Open Space Residential Developments (OSRD)

Pine Oak Farm	20	lots 26	acres
Horseshoe Farm	26	lots 51.94	acres
White Oak Farm	13	lots 18.08	acres
Cranberry Cove	13	lots 24.3	acres
Marshawk Way	13	lots 22.77	acres

3. Approved Standard Residential Subdivisions

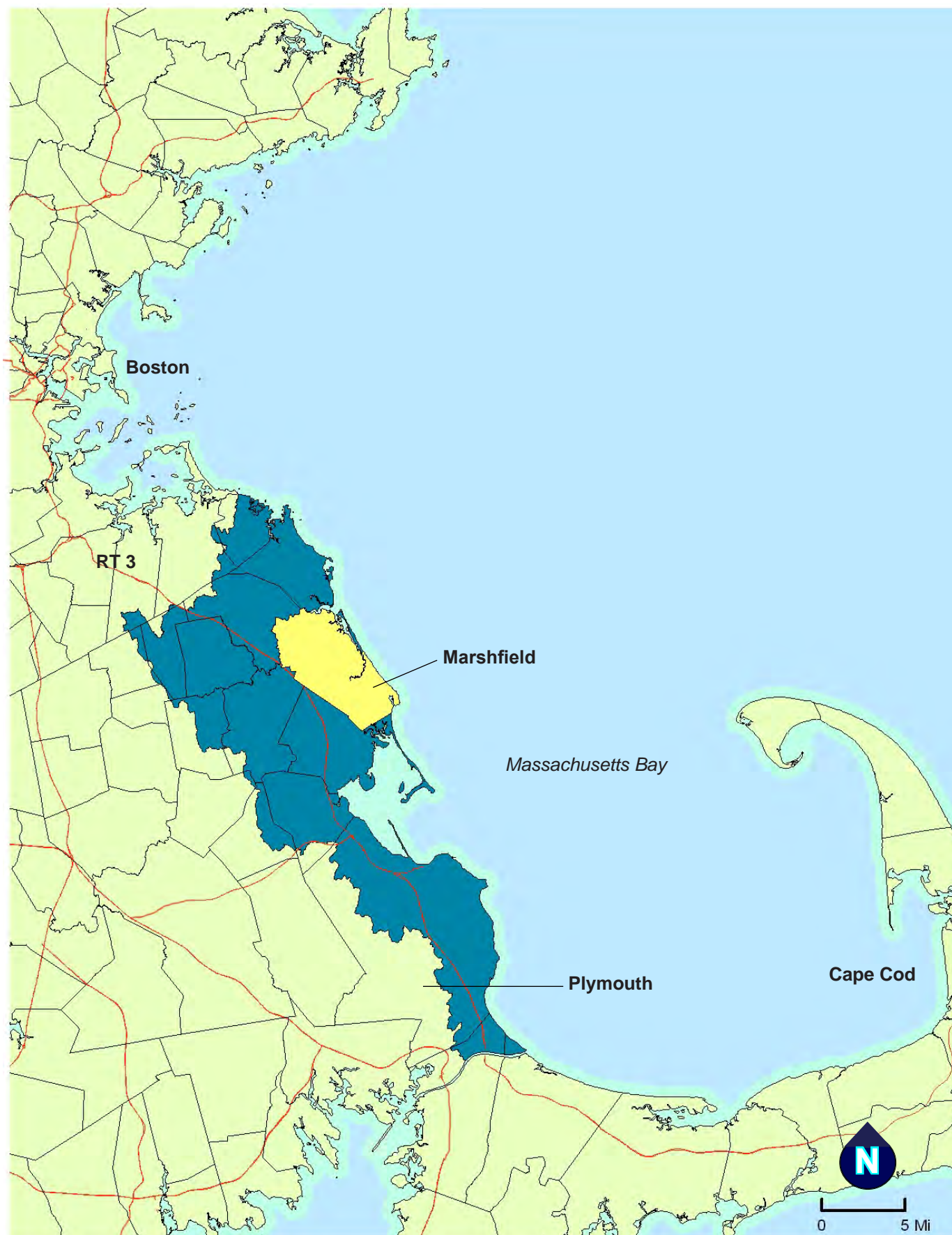
Chestnut Hill Estates	26	lots 75	acres
Garden Gate Way	8	lots 7.12	acres
John Sherman Estates		10 lots	18.3 acres
Mt. Skirgo Ridge	30	lots 97.43	acres
Pleasant Spring Pond Estates		4 lots	12.59 acres
White Holland Estates		8 lots	22.4 acres
White's Ferry Landing	7	lots 3.53	acres

4. Approved Commercial/Industrial /Planned Mixed Use Developments

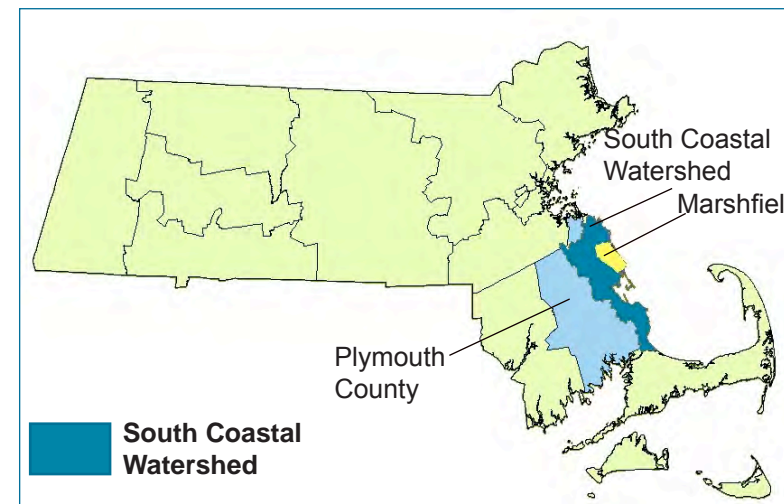
Enterprise Park	33+	lots 88	acres
Commerce Green		39,000 sq ft	3.4 acres
The Village at Propertietor's Woods		149 Asst. lvg. units	9.25 acres

6. Approved Comprehensive Permits

Ocean Shores	95 Age Restricted Affordable Apts		31 acres
	2 single family		
Webster Point	37 units, 10 affordable		43.6 acres



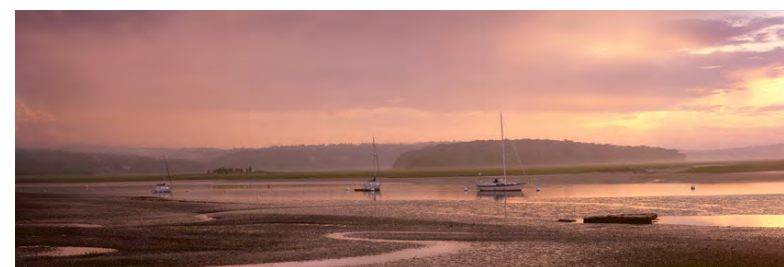
Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



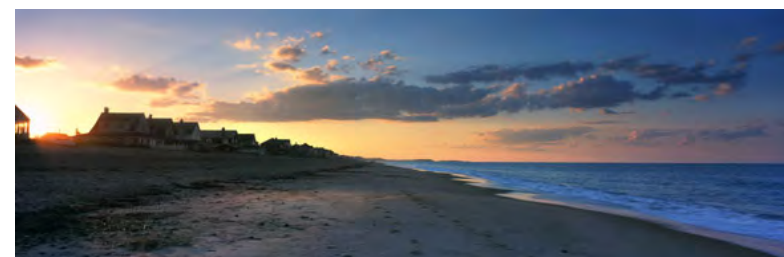
Desirable land prices, tax rates, open space amenities, and close proximity to Boston have increased populations of some Plymouth County towns by 150% in just 20 years.



An early South Shore house



Plymouth County/South Shore communities still maintain links with their 400-year maritime history.



According to the 2000 U.S. Census, approximately half of the county's 472,822 residents live on South Shore coastline.

Photo Credits from the top to bottom: Chris Lewis, Shawn Carey, Jamieson Scott

Regional Context

Marshfield is a South Shore town centrally located between Boston and Cape Cod. Its coastline and proximity to Boston make it an attractive community to live in year round or vacation in during the summer. Its marshes offer scenic views, wildlife habitat, and protection from coastal storms. Marshfield's natural heritage has sustained and enriched people's lives for hundreds of years since first evidence of settlement by the Native American Wampanoag Nation. It has also sustained wildlife and plants for tens of thousands of years longer. Freshwater wetlands in the South Coastal watershed are found in abundance relative to the rest of the state, which has lost approximately 2/3 of its wetlands. These rich areas feed and drain into the South Shore riverine waterways and some of the state's last and best salt marsh estuaries.

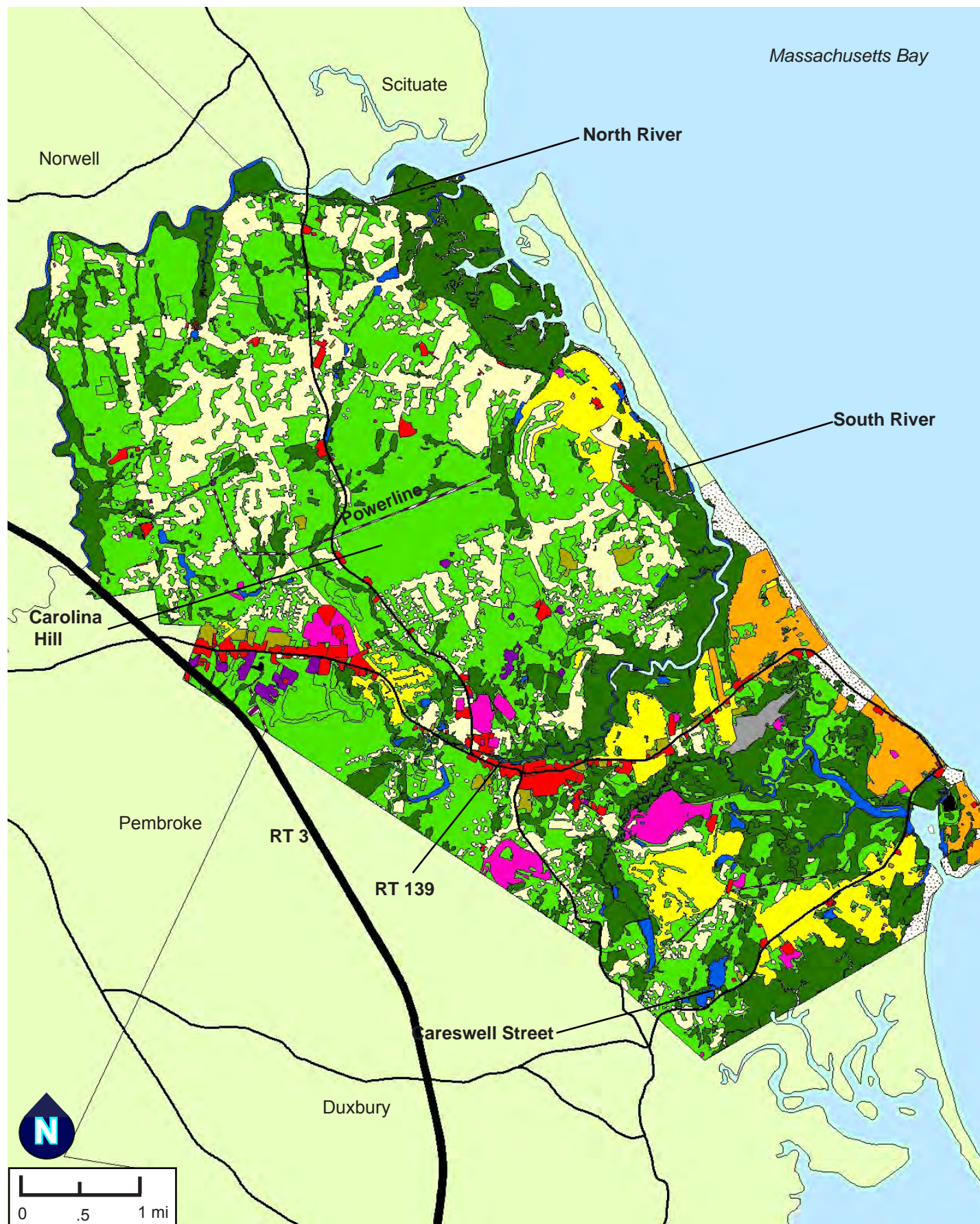
The South Shore and the South Coastal watershed are a part of the Boston-Washington Corridor, one of the nation's fastest growing regions. These historic coastal towns have developed into bedroom communities for Boston, spurred by improvement of Route 3 (Pilgrim's Highway), and the expansion of the Greenbush train line. This development places pressure on Marshfield's natural heritage.

Town of Marshfield Open Space And Recreation Plan Update

March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

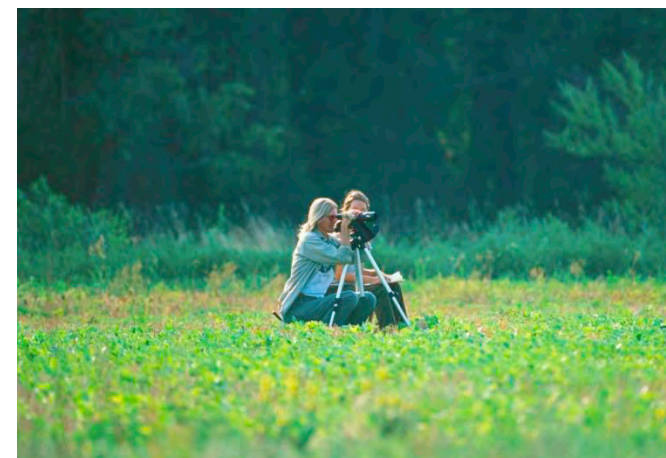
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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Marshfield beach homes occupy much of the coastline.



Open lands provide a diversity of recreational opportunities.



Photo Credits from the top to bottom: Jamieson Scott, Manomet Center

Land Use

Open lands and wetlands comprise the greatest acreage in Marshfield; however, this map does not reveal the extent of development's impact on these natural areas. Most commercial development and recreational areas are centered on or along Route 139, which bisects town and residential centers. Residential areas are the primary developed land use throughout Marshfield.

From the historic southern half of town a band of high-to medium-density residential areas projects northward, bordered by the South and Green Harbor Rivers. From this point residential development generally becomes more diffuse throughout town with the exception of beach homes on the South River Estuary. Here homes abut barrier dunes and salt marsh. Based on these development patterns and trends, the North River riparian areas and marshes, Carolina Hill upland forests, and wetlands along Careswell Road are the three areas most at risk of further fragmentation.

Fragmented habitat supports less abundant and diverse wildlife. When natural landscapes are reduced in size or are impaired by development's proximity, vital natural services are reduced as well. For example: smaller wetlands clean water less effectively and remove fewer contaminants; dunes that are impacted reduce beach stability and storm surge protection; smaller forests create less clean air.

The quality of life Marshfield is immeasurably enhanced by its open spaces, which define the natural character of the community.

Town of Marshfield Open Space And Recreation Plan Update

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Reinvestment in existing neighborhoods instead of new subdivisions will build from historic roots and prevent sprawl.

Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Reinvestment in existing neighborhoods instead of new subdivisions will build from historic roots and prevent sprawl.

Legend	
	R-1: Residential Rural
	R-2: Residential Suburban
	R-3: Residential Waterfront
	R-B: Residential Business
	O-P: Office Park
	B-1: Business-Mixed Use
	B-2: Business Highway
	B-3: Business Neighborhood
	B-4: Business Waterfront
	I-1: Industry
	A: Airport
	PMUD - Planned Mixed Use overlay District
	Stormwater Management Overlay District
	WRPD - Water Resource Protection District
	Inland Wetlands
	Coastal Wetlands

Zoning

Marshfield is primarily zoned for residential purposes. There are regulations that restrict industrial and commercial development in aquifer recharge areas. However, these bylaws alone would not prevent most of the town's prime natural areas from being developed for residential use in the future.

Historically Marshfield developed around Brant Rock district in the southeast, which remains the area zoned for densest residential development. Massachusetts Bay, and the South and Green Harbor Rivers border this region, and almost half of the historic cottages have been converted to year-round residences. Zoning in the northern part of Marshfield ranges from a quarter acre to one acre. Average lot size in the town has increased, population has increased, and average household size has decreased, resulting in residential development that consumes more land per person than in the past.

Since 1972, zoning has restricted commercial activity to a corridor along Route 139 (Plain and Ocean Streets) between the Pembroke line and the Fieldston village area on the ocean, in addition to commercial roads in downtown Brant Rock. Commercial development is densest between the Pembroke town line and the Marshfield Middle School on Route 139. The highest population density occurs along Route 139 from the Pembroke line, east to the coast, then south and west to Webster Street.

Communities around the US are instituting zoning changes that encourage mixed-use, compact, and walkable towns. Adopting such Smart Growth principles, Marshfield could direct new development to its already developed areas (e.g., in the southeast), creating conditions to support public transit and protecting valued open space elsewhere in town.

Town of Marshfield Open Space And Recreation Plan Update

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SECTION 4:

Environmental Inventory & Analysis



Photo Credits

Left to Right: Mike Sleeper, Manomet Center

4. ENVIRONMENTAL INVENTORY AND ANALYSIS

4A. Geology, Soils, and Topography

Summary: Marshfield contains two major types of bedrock, one highly impermeable and the other permeable with good water-holding capacity. The bedrock type determines the aquifer locations, which is of great interest as Marshfield draws all of its drinking water from aquifers. Also, the geology present in Marshfield has created unique natural environments that are home to numerous sensitive and endangered plant and wildlife species. Restricting development in sensitive areas and protecting appropriate open space will aid in the preservation of Marshfield's soil and water quality. Decisions related to important issues such as septic system suitability, watershed protection, groundwater supply, and recreation are dependent upon an understanding of Marshfield's geologic formations.

North Marshfield

The bedrock underlying the northern portion of Marshfield is an assemblage of sedimentary rocks including sandstone, greywacke, and shale. The deposits overlaying this bedrock are sediments ranging from unsorted mixtures of sand, silt, and boulders to stratified sands and gravels. These deposits are dense, allowing little water to flow through and resulting in areas of high water runoff and high potential for erosion.

Soils overlaying the geology in north Marshfield fall into two associations: Woodbridge-Paxton-Ridgebury and Ipswich-Pawcatuck-Hooksan. The Woodbridge association is very deep and can be found in gently sloping areas. These soils are mostly connected with the wet areas in Marshfield since they are slowly permeable and overlie a dense substratum that does not readily absorb water. These areas are difficult to develop because septic effluent would not be readily absorbed into soils. The Ipswich association shares the same qualities as the Woodbridge association but includes areas of dunes and beaches with low soil strength and wetness. Although unsuitable for building and development, there are many homes sited in this region (NRCS, 2002).

Central and South Marshfield

Much of the central and southern portions of Marshfield are underlain with deposits

of moderate to high permeability with good water-bearing capacities and low runoff rates. The Plymouth-Carver Aquifer that supplies all of Marshfield's drinking water is created by this bedrock deposition.

It is of great importance to understand the soils overlaying this area as their characteristics immediately impact the aquifer. Central-southern Marshfield falls within the following soil associations: Hinckley-Windsor-Deerfield, Plymouth-Carver, Montauk-Scituate-Norwell, Ipswich-Pawcatuck-Hooksan, and Woodbridge-Paxton-Ridgebury.

Hinckley and Plymouth soils are both highly permeable, allowing for water to flow through and recharge aquifers. This soil characteristic is preferred for building and site development due to the ease of siting septic systems. However, improving septic technology will increase the town's ability to locate septic systems within other parts of town with less impact on the aquifer and to replace current septic systems that are negatively impacting the water supply. It is also important to closely monitor and regulate commercial, industrial, residential, and recreational activities within these soil associations.

Montauk soils do not drain directly to the Plymouth-Carver Aquifer but are important to protect as they are classified along with the Woodbridge association as prime

agricultural soils. The National Resource Conservation Service has classified prime farmland soils within Marshfield based upon their lack of susceptibility to erosion and flooding, acceptable pH, lack of excessive stoniness, and favorable climatic conditions for agricultural purposes. To be rated as prime farmland, soils must also be available for use as cropland, pasture land, or forestland, and therefore not be urbanized or under water.

Some residents of Marshfield have an interest in the community becoming as self-sustaining as possible, which includes producing food locally. Currently there is a greater demand for community garden plots and community supported agriculture shares than are available. Since the soils best suited for agriculture in Marshfield are generally well suited for other competing uses, the preservation of

productive soils would require implementing strong management policies.

Salt marshes and barrier beaches have also formed in Marshfield over the last several thousand years. The thickest salt marsh peat deposits in Marshfield have accumulated in the North River and South River Estuaries. The reworking of the glacial sediments by wind and wave action has formed coastal beaches along Marshfield's shoreline. Salt marshes and barrier beaches are becoming increasingly rare throughout the world and provide habitat for numerous endangered species and wildlife. These geologic features also offer the town the irreplaceable services of buffering upland areas from storms, filtering water, and providing recreational opportunities.

4B Landscape Character

Summary: The landscape of Marshfield has played a significant role in defining the character of the town. The landscape comprises glacially deposited land forms, reaching up to 200 feet in elevation, from which a view of rivers, salt marshes, forested land, the Atlantic Ocean, and salt-washed coastal cottages is available. One of the most important assets of the town is its open space, including forests, fresh and salt water, beaches, and dunes. These features offer scenic and recreational value and are unique habitats for many rare species. Careful planning through land acquisition, public policy, and resident education will help to preserve the exceptional landscape character of Marshfield.

In the northeast and central areas of Marshfield, Holly Hill, Telegraph Hill, Snake Hill, Ferry Hill, and Carolina Hill make up the topography of this predominately residential area, referred to as the Highlands. The Highlands and Marshfield Hills are divided in the south by Furnace Brook Valley. The hill area is divided in the north by Bare's Brook, draining north through Macomber's Creek to the North River. In the central part of the town is Mount Skirgo (200 feet) and Pudding Hill (145 feet) tapering off into the marshes of the southwest.

There are two areas of historically productive farm land: the Two Mile Farm, bordering the North River, and the nearly

level section southeast of Marshfield Village between the Neck Rock (Ocean Street), Webster Street and Cut River. (The Daniel Webster estate and farm was on Webster Street.) Although farming has almost disappeared from the town, these two districts still offer fertile soil and some of the broadest open land in town.

The Plains lies between Forest, School, and Plain Streets. Its constant elevation of 100 feet distinguishes this area from the higher portions of town. The campus of the middle and senior high schools is located here, as are many homes and businesses. On the south side of Plain Street a white cedar swamp extends across 20 acres.

Countless wetland areas exist in town, either as perched water trapped by heavy clay or as springs seeping from the base of gravel deposits. These areas create fresh-water brooks and streams that drain into man-made impoundments or ponds. Forty artificial ponds constitute most of the ponds in Marshfield, excluding several kettleholes and one bog-like pond on Carolina Hill by Eames Way.

The most important natural feature of Marshfield is its open coastline. On the east, the town faces the sea from its boundary with Scituate south to the Duxbury line, a distance of more than four and one half miles. The structure of the coastline varies from the barrier beaches at Rexhame, Sunrise Beach, Esplanade, Bluefish Cove and Green Harbor, to the eroding coastal banks of Ocean Bluff, Brant Rock, and Blackman's Point and to the only natural rock outcroppings, one at

Brant Rock and one at Bluefish Point. The currently rising sea level is altering and encroaching upon this fragile shoreline (Massachusetts Coastal Zone Management (MCZM)).

The 39-acre Rexhame Beach, near the northern end of the town's shoreline, lies between the South River and the Atlantic Ocean. This area is reserved for a bathing beach and recreation area for the residents of the town. In addition there is some public access to the water at other points, including Damon's Point, the South River ramp, the Town Pier, and Brant Rock. Marinas in the North and South Rivers and in the Green Harbor afford access to the open ocean, and for sport and commercial fishing. On the shoreline, the only undeveloped area other than the town beach is a strip of land 1500 feet long in front of an area known as Old Rexhame.

4C. Water Resources

Summary: Marshfield's water resources are its citizens' greatest concern as water within the town boundaries supplies all drinking water to residents. The Plymouth-Carver Aquifer is the sole source of the drinking water and must be carefully and diligently protected. Introducing improved septic technologies and upholding the Massachusetts River and Wetlands Protection Act, will ensure that development and activities will not contaminate Marshfield's surface and ground waters. The numerous water resources within Marshfield are also important for the survival of sensitive natural communities. Some of Marshfield's water resources were contaminated by various pollutants detrimentally affecting drinking water supply and natural communities. The town must take active steps through public policy, resident education, and continued land conservation to ensure the continued health and vitality of the community. The action plan in Section 9 of this report outlines potential acquisitions and strategies to continue to help the town protect the invaluable water resources.

Watersheds and Aquifer Recharge Areas

Marshfield is within the South Coastal watershed designated by the Massachusetts Executive Office of Energy and Environmental Affairs. This watershed consists of 14 coastal river subbasins with a total drainage area of approximately 240.7 square miles. Numerous streams, creeks, and ponds occur within the drainage basins of each of the subbasins and ultimately discharge to the Atlantic Ocean.

Since 1970 the town of Marshfield has worked to acquire lands that protect its drinking water supply. The town relies solely on the Plymouth-Carver Aquifer to supply its water. Marshfield also supplies water to portions of the towns of Scituate, Pembroke, and Duxbury. Unlike many other communities in the South Coastal watershed, Marshfield does not have the option to get its supply from the Quabbin Reservoir because there is no additional

capacity to supply another community. (The Town of Marshfield, Department of Public Works). Protecting the Plymouth-Carver Aquifer is the town's first priority and requires diligent management of land use and an understanding of how zoning and land use can affect the water supply.

The town is also interested in protecting its fresh surface water, which is home to an abundance of natural communities including rare and endangered species.

Three large, tidal rivers flow through Marshfield: the North, South and Green Harbor Rivers. The watersheds of the North, South, and Green Harbor Rivers and of Duxbury Bay form a subbasin that feeds both the Plymouth-Carver Aquifer and the surface waters within Marshfield.

Surface Water

The North River forms the northernmost boundary of Marshfield. Streams that discharge into it include Two Mile Brook, Cove Creek, and Macomers Creek, as well as streams in Norwell and Scituate. Recreational use of the North River includes boating, canoeing, kayaking, fishing, and swimming. Access is available for canoes at a canoe launch at the Union Street Bridge, and for boaters at Mary's Landing at the Route 3A bridge. Some town-owned and conservation lands in Marshfield provide landings for boaters for day use or picnicking. The North River is a tidal river that runs through wetlands and salt marshes as it flows to the Atlantic Ocean. The North River was designated as a State Scenic Protected River in 1979. The river has also been designated as a National Natural Landmark because its freshwater tidal wetlands are globally rare. It is the largest undisturbed intact habitat of its kind in Massachusetts.

In addition, the river corridor is protected by the Massachusetts Wetlands Protection Act, The North River Commission and the local wetlands protection bylaws.

Marshfield has actively acquired land in this area, providing the potential for outdoor recreation while protecting wildlife habitat, water quality, and scenic beauty.

The South River, another saltwater tidal river, starts west of Marshfield, flowing through extensive marshland and eventually north to meet the North River. The tidal influence is observed at Veteran's Memorial Park and Route 3A, where Furnace Brook and Twin Brooks join the South River. Several smaller creeks enter the South River—the largest of which is Little's Creek, which flow through Keene's Pond carrying drainage from the eastern slope of Carolina Hill.

The Green Harbor River also starts at the Duxbury line. From Route 3A it winds north and east to the dike at Green Harbor (now Route 139) for approximately five miles. The dike was constructed in 1872 to reclaim two square miles of land below sea level for agricultural purposes, thus creating a polder. The upper portion of the Green Harbor River is impounded to create reservoirs for cranberry cultivation. Bass Creek and Wharf Creek also form tidal waters and feed into the Green Harbor River. Because of sluggishness of the water flow, the river is choked with vegetation and at some points is impassible by boat. Only for the low quarter of the tide cycle does Green Harbor River drain through the dike to Green Harbor and the sea.

The Duxbury Bay Basin contains many small tidal creeks that drain south into Duxbury Bay. Since there is little change in elevation, the flow in the tidal rivers is slow. They have developed complicated meanderings across their floodplains and enter the sea through an extensive estuary. In their sluggishness, they drop much silt, which when mixed with the materials brought in by the ocean tides, builds mud flats favorable to shellfish. The surrounding marshes with their creeks and ditches are nurseries for several important fish species. These rivers and

their attendant marshes have been evaluated by the Massachusetts Department of Natural Resources as being “exceptionally high in resources and human valuation.”

Marshfield’s surface water should be protected as it contributes to and affects the drinking water of the town, provides rare and important species and wildlife habitat, and offers great recreational opportunities.

Aquifer Recharge

Aquifer recharge areas are those that contribute water to the aquifer either directly through subsurface groundwater flow or indirectly by surface water drainage. It is imperative to protect these areas as Marshfield gets all of its drinking water from the aquifer.

The Massachusetts Department of Environmental Protection (DEP), Division of Water Supply (DWS), recognizes three distinct areas of recharge: Zone I, Zone II, and Zone III. Zones I and II constitute the primary recharge area from which a well receives groundwater and surface water inflows, while Zone III is the secondary recharge area. All three areas contribute to the water quality of a supply source and therefore should be delineated and appropriately protected.

The Zone I delineation is a 400 foot buffer that surrounds each public wellhead and limits activity within this buffer area. Each wellhead is additionally protected by Zone II. Marshfield has established Water Resource Protection Districts in its zoning Bylaws that controls the land use within the Zone II. There are no town controls for residential uses within Zone II, only Title 5 regulations. The Massachusetts Title 5 regulation requires the proper siting, construction, and maintenance of all on-site wastewater disposal systems. On-site systems that are not properly located and maintained can contribute pathogens and nutrients to surface and ground waters, endangering drinking water supplies,

wildlife habitat, and surface water bodies (Massachusetts DEP).

The Town of Marshfield has not mapped Zone III areas and needs to delineate them before additional industrial and commercial development occurs. Protecting Zone III will further ensure that the town’s water supply is protected. (The aquifer, well locations, and Zones I and II are represented on the water resources map.)

Also affecting the groundwater supply are the saltwater rivers throughout the town. No place in Marshfield is over two miles from tidal waters. This restricts the areas that can be tapped for drinking water because the intrusion of saltwater into the wells would render them useless. Salt use in treating roads in winter can also present problems, thus the town has established no-salt zones adjacent to wells on town roads. Unfortunately, Route 3A, a state-maintained road, adjacent to four major wells is salted for winter snow and ice control.

Marshfield’s public water system serves the town’s estimated 25,000 year-round residents and, in addition, supplies water to portions of three surrounding towns: Duxbury, Scituate, and Pembroke. The eighteen public water supply wells have the potential to supply in excess of 8.6 million gallons a day. Since the wells provide 90% of the public with drinking water, existing wells must be protected from the deleterious impacts of development, such as nutrients leaching from septic systems. The remainder of the population relies on water from private wells (The Town of Marshfield Department of Public Works, 2009).

In 2000, three of the Furnace Brook wells were contaminated and by 2002 Marshfield was forced to spend several million dollars to add treatment facilities to remove volatile organic compounds. The VOC contaminant plume, migrating from sources along Route 139 and across the high school complex, has been

delineated. According to the Department of Public Works the problem is currently being addressed at each well site with a filter system. In addition to the threat by the build-up of VOCs, nitrates from residential and commercial septic systems and the use of fertilizers have reached significant levels in the Furnace Brook well 4 and Webster wells 1 and 2 (Town of Marshfield Department of Public Works, 2010). Massachusetts Drinking Water Regulations require the water supplier to increase monitoring when any maximum contaminant level (MCL) exceeds or is approaching 50% of that MCL. Further, the Department of Public Works must plan to correct the situation. The Webster Street Well is in this situation. The long-term strategy may require that the area surrounding the Webster wells be sewered to allow the aquifer to repair itself through natural attenuation. If new sewers are not installed in this area to eliminate the septic systems contamination, Marshfield stands to lose the Webster Street wells 1 and 2 from the water supply system.

Additional wellhead protection strategies could be implemented to protect the water system. These strategies include land acquisition, conservation restrictions, and remedial actions, such as additional sewers, wellhead treatment, stormwater management practices and structures, and public education on the proper use and maintenance of septic systems. A long term strategy should also include limiting the use of lawn and garden fertilizers in sensitive areas.

Flood Hazard Areas

Significant areas of Marshfield are prone to flooding. The 100- and 500-year floodplains are delineated on the Subsurface Water map found at the end of this section. Due to the town's proximity to the coast, Marshfield is subject to frequent powerful coastal storms that often result in extensive flooding and property damage. Much of this coast is protected with concrete seawalls or

armored revetments requiring periodic repair. The Massachusetts Department of Energy and Environmental Affairs has documented a rise in sea levels and an increased intensity of coastal storms. The community of Marshfield is challenged to make the best use of limited land while protecting critical natural resources. The Massachusetts Coastal Zone Management Association suggests that as the climate changes, sea levels rise, storms become more severe, and development continues to increase, well planned and well maintained infrastructure will be imperative for Marshfield to continue to thrive. Please refer Appendix A6 for Coastal Zone Planning references.

Wetlands

Large tracts of fresh and salt water wetlands characterize the town. These wetlands include river corridors, ponds, marshland, and cranberry bogs. There are more than 1,000 acres of conservation owned wetlands (Marshfield Conservation Map, 2002). Additionally, the Commonwealth of Massachusetts owns the English Salt Marsh Wildlife Management Area, 166 acres of estuary on the North and South Rivers. A large area of what used to be salt marsh is now a fresh or brackish water polder. The polder was created by constructing a dike and a large gate that prevents flooding at high tide.

Poorly draining soils exist in many parts of the town, creating freshwater wetlands and streams in areas with limited outflow. Wetlands also exist on many hillsides where groundwater reaches the surface due to impervious soil layers, not just in low-lying areas or collection zones. Many of these upland wetlands do not connect to a stream or border a pond where the emergent groundwater soaks into a more pervious soil layer beneath the clay layer. The goals of the Massachusetts Wetland Protection Act are to preserve the quality and quantity of drinking water, provide recharge through infiltration of water into

the ground, retain the natural flood storage capacity, sustain fisheries, and protect wildlife habitat. The local wetlands protection by-law further protects these isolated vegetated wetlands as follows:

No person shall remove, fill, dredge, or alter any bank, fresh water wetland, coastal wetland, beach, dune, flat, marsh, meadow, bog, swamp, or lands adjoining the ocean or any estuary, creek, river, stream, pond, or lake, or any land under said waters or any land subject to tidal action, coastal storm flowage, or flooding, without filing written notice of his intention so to remove, fill, dredge or alter

and without receiving and complying with an order of conditions (Town of Marshfield, 2008).

The town's wetlands are another of Marshfield's irreplaceable natural resources, offering unique habitat and important breeding ground for a variety of wildlife species, providing groundwater and aquifer recharge, helping control seasonal flooding, and preventing pollution by filtering contaminants that enter the system. Wetlands also provide nesting, food, and water habitat for a variety of wildlife species and add to the natural beauty and character of the landscape.

4D. Vegetation

Forest Land

The most recent land use survey of Massachusetts (MacConnell Land Use Survey 1999) estimated Marshfield's forestland at 7,115 acres—2,520 acres less than in 1985. The town forests are being lost at an alarming rate; about 720 acres were cut down between 1999 and 2004 for development. That is an area equivalent to 654 football fields. Forests are one of our most important natural resources because they clean the air we breathe, reduce wind damage, and control stormwater by infiltration. Trees help recharge the aquifers that supply water to the residents of Marshfield, and reduce flooding.

Over 2,600 acres of forestland has been permanently protected in Marshfield. The town of Marshfield owns some of this land, while other land is considered quasi-public such as the Green Harbor Golf Club and the Daniel Webster Wildlife Sanctuary.

Additionally, about 4,200 acres of forestland throughout the town are privately owned and many are temporarily protected through the Chapter 61 Forestry Tax program. These forested areas provide wildlife habitat, help to increase

water quality, provide recreational opportunities such as bird watching and hiking, and contribute to the scenic beauty of the town. The Carolina Hill Reservation is of particular importance in this regard because of its contiguous 775 acres. Trails for hiking, horseback riding, and, in the winter months, cross-country skiing, are found throughout Marshfield's forested conservation lands. These lands also are often used for scenic walks and wildlife observation. Hunting is prohibited on town-owned conservation land,

Marshfield's forests are composed of both coniferous and deciduous trees, and contain a wide range of tree species. Many species of shrubs, wildflowers, and ferns grow in Marshfield's forests. Some of the plant species most frequently observed are listed in Table 2 at the end of this section.

Agricultural Land

Agricultural land in Marshfield is limited to several small farms and cranberry bogs. There are eight working cranberry bogs (Marshfield Conservation Map, 2002) and 243 acres of agricultural land (MassGIS, 2004) in Marshfield. Most of this agricultural land is currently enrolled in the

Massachusetts Chapter 61A Current Use Forest Tax Program, which gives the landowner incentive to keep the land undeveloped and gives the town the right of first refusal should the land come up for sale. This agricultural land has scenic value, particularly the cranberry bogs during the harvest season. The land also provides food and cover for wildlife. Marshfield's agricultural land is found from the western central border through the southeastern corner of town. The majority of this land is used and zoned as residential and, although currently protected under Chapter 61, could at any time be removed from this protection and be developed. Agricultural land is an important resource and should be considered by the town as an important acquisition if it comes out of protection and becomes available.

Wetland Vegetation

Wetlands support a wide range of vegetation including red maple, swamp white oak, tupelo, and Atlantic white cedar. Sweet-pepper bush, swamp loosestrife, spicebush, winterberry and Juneberry also abound. Some of the most common grasses include the saltmarsh spike-grass, saltmarsh wild rye, freshwater cord-grass, and tall salt-hay. Royal fern, sensitive fern, cinnamon fern, and Massachusetts fern are some of the most frequently found wetland ferns. This wetland vegetation is essential to providing habitat for wildlife, flood control, water filtration, as well as significant scenic values to the town residents.

Public Shade Trees

Marshfield is fortunate to have 34 roads designated as Scenic Roadways See below for a complete listing. This designation protects trees along these roads under the Scenic Roadways Act, MGL Ch 40 S15 C. The law prevents the cutting, removal or altering of any trees without a public hearing with the Planning Board and the Tree Warden. For newer roadways, the town has adopted

Subdivision Rules and Regulations that require shade trees be planted along roadways every 40 feet.

Scenic Roads:

Acorn St, Bow St, Canal St, Canoe Tree Church St, Cross St, Dog Lane, Elm St, Ferry St, Forest St, Highland St, Marginal St, Maryland St, New St, Old Mt. Skirgo, Old Ocean St, Old Main St, Old Main St. Ext, Old Plain St, Parsonage St, Pine St, Pleasant St, Prospect St, Pudding Hill Lane, School St, South River St, Spring St, Summer St, Union St, Webster St, Willow St, Winslow Cemetery Road, Winslow St,

Unique Natural Resources

According to MassGIS, Marshfield has six state-designated barrier beaches, which total 235 acres. The beaches dot the shoreline from Rexhame in the north to Brant Rock and Green Harbor in the south. The town's barrier beaches protect the mainland from ocean storms and flooding. They provide habitat for wildlife and plants, including rare plant species on Rexhame Beach, and offer recreational opportunities for sport fishermen and beachgoers.

Freshwater tidal marshes in Massachusetts are considered very uncommon, but Marshfield has some examples along the North and South Rivers.

Salt marsh communities are important for protecting terrestrial areas from coastal storms, as well as providing habitat to species that depend upon them, such as nursery areas for marine species and migratory stopovers for birds, also making them an incredible place for birdwatchers.

Nine plant species in Marshfield are considered by the Massachusetts Natural Heritage and Endangered Species Program to be either endangered, threatened, or of special concern. The variable sedge, estuary beggar-ticks, Long's bitter-cress, and estuary pipewort are considered endangered; the seabeach needlegrass and rigid flax are threatened,

Section Four: Environmental Inventory and Analysis

and the Philadelphia panic-grass and American sea-blite are of special concern.

The table below provides a more comprehensive list of species found in Marshfield that are endangered (E),

threatened (T), of special concern (SC) or on the watch list (WL). These plant species will require the attention and protection of residents.

Table 2: NHESP Species of Endangered, Threatened, and of Special Concern

Wildlife Group	Scientific Name	Common Name	Conservation Status	Habitat
Amphibian	<i>Hemidactylium scutatum</i>	Four-Toed Salamander	SC	Vernal Pools, Wetlands
Bird	<i>Botaurus lentiginosus</i>	American Bittern	SC	Beaches and Mudflats
Bird	<i>Sterna paradisaea</i>	Arctic Tern	SC	Beaches and Mudflats
Bird	<i>Dendroica striata</i>	Blackpoll Warbler	SC	Coniferous Forest
Bird	<i>Gavia immer</i>	Common Loon	SC	Open Water
Bird	<i>Sterna hirundo</i>	Common Tern	SC	Beaches and Mudflats
Bird	<i>Gallinula chloropus</i>	Common Moorhen	SC	Wetlands
Bird	<i>Accipter cooperi</i>	Cooper's Hawk	SC	Wooded Areas
Bird	<i>Rallus elegans</i>	King Rail	T	Wetlands
Bird	<i>Ixobrychus exilis</i>	Least Bittern	SC	Wetlands
Bird	<i>Sterna antillarum</i>	Least Tern	E	Wetlands
Bird	<i>Oporonis philadelphia</i>	Mourning Warbler	SC	Second Succession Forest
Bird	<i>Circus, Cyaneus</i>	Northern Harrier	T	Wetlands
Bird	<i>Podilymbus podiceps</i>	Pied-Billed Grebe	T	Streams and Wetlands
Bird	<i>Charadrius melodus</i>	Piping Plover	E	Beaches and Mudflats
Bird	<i>Sterna dougallii</i>	Roseate Tern	T	Beaches and Mudflats
Bird	<i>Accipter striatus</i>	Sharpshinned Hawk	SC	Wooded areas
Bird	<i>Asio flammeus</i>	Short Eared Owl	E	Wooded Areas and Wetlands
Bird	<i>Bartramia longicauda</i>	Upland Sandpiper	E	Native Grassland
Crustacean	<i>Crangonyx aberans</i>	Mystic Valley Amphipod	SC	Estuaries, Coastline
Fish	<i>Notropis bifrenatus</i>	Bridle Shiner	SC	Estuaries and Coastline, River
Reptile	<i>Terrapine carolina</i>	Eastern Box Turtle	SC	Wetlands, Native Grasslands
Reptile	<i>Clemmys guttata</i>	Spotted Turtle	SC	Shallow, Vegetated Wetlands
Plant	<i>Suaeda calceoliformis</i>	American Seablite	SC	Rocky, or Gravelly Salt Marshes
Plant	<i>Bidens pilosa</i>	Beggar's-ticks	E	Brackish, Tidal River shores
Plant	<i>Botrychium simplex</i>	Grape Fern	SC	Fresh Water Marshes and Streams
Plant	<i>Eriocaulon parkeri</i>	Estuary Pipewort	T	Coastal Streams

Wildlife Group	Scientific Name	Common Name	Conservation Status	Habitat
Plant	<i>Cardamine longii</i>	Long's Bitter-cress	T	Tidal Areas
Plant	<i>Panicum philadelphicum</i>	Philadelphia Panic Grass	T	Moist Sandy Shores
Plant	<i>Linum medium</i>	Rigid Flax	T	Dry Woods
Plant	<i>Carex plymorpha</i>	Variable Sedge	E	Woods and Road Margins

4E. Fisheries and Wildlife

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) designated fifteen priority habitats of rare species areas in Marshfield, comprising 2,043 acres. Priority habitat is based on the known geographical extent of habitat for all state-listed rare species, both plants and animals. Habitat alteration within priority habitats may result in the extinction of a state-listed species. Priority habitat maps are used for determining whether or not a proposed project must be reviewed by the NHESP.

The NHESP also designated eleven areas as estimated habitat of rare wildlife, totaling 1,920 acres. Estimated habitats are a subset of the priority habitats, and are based on the geographical extent of habitat of state-listed rare wetlands wildlife. These areas are codified under the Wetlands Protection Act, which does not protect plants. State-listed wetland wildlife and plant species are protected under the Massachusetts Endangered Species Act, as well as the Wetlands Protection Act.

The majority of the land designated by the NHESP as priority and estimated habitat within Marshfield is already protected in perpetuity; however, there are still areas left unprotected that would greatly enhance these important habitats. The coastal area outlined as a priority for protection through acquisition in the seven-year plan of Section 9 is an example of a last remaining habitat for endangered species. This protection is not

only important for conserving rare and endangered species and habitat but for preserving a part of the character and the heritage of Marshfield for present and future generations.

Having both salt and fresh water habitats throughout the town increases the diversity of aquatic and land animals. The shoreline provides a transitional region with creatures from both the ocean and the rivers. Saltwater estuaries are the most productive habitat in the world. They serve as a nursery for two-thirds of commercial seafish, nourish a myriad of other wildlife, and purify water, among other services. Small fish, like mummichugs, live in the marsh, traveling in and out on the tides. The small fish start the food chain and are preyed upon by larger and larger species.

The abundance of this region has also enabled animals like foxes, muskrats, raccoons, and deer to survive. The North River marshes serve as the nighttime roost for the non-breeding blackbird population that reaches 100,000 birds each fall. Hundreds of nesting marsh wrens sing from the river corridors all day and night, though they are seldom seen. The elusive rails are both migrants and breeders in the wetlands. Muskrats, turtles, frogs, spring peepers, and ducks are a few more species that enjoy the lush growth of plant life in wetlands. In addition, it is the wintering grounds for many large raptor, including the rough-legged hawk, northern harrier, red-tailed

hawk, and short-eared owl. (Fiske et al, 1996).

Marshfield has two fishways, one where the Green Harbor River flows into Green Harbor and another on the South River in Veterans Park. Fish can now enter the upper Green Harbor River above the dike through an opening in a new adjustable tide gate installed to help restore the Green Harbor River estuary. There are fish runs and spawning habitat on the Second Herring Brook and the North and South Rivers. The runs and spawning habitat support alewife, blue herring, Atlantic salmon, and rainbow smelt.

There are six shellfish growing areas in Marshfield within the North River, South River, and Green Harbor River Estuaries. All of the areas are currently closed to shellfish harvesting because of high levels of E. coli due in large part to septic systems leaching into groundwater (MassGIS, 2009).

The drier, more highly elevated areas of Marshfield such as the open farm meadows and the upland forests have nesting bobolinks. The nesting upland sandpipers, an endangered species, were found here in the past, but are no longer. Surrounding the fields, the brush thickets provide refuge for singing white-eyed vireos, a bird at the northern limit of its range here.

The town's upland forest has wildlife of a more reclusive nature: the ruffed grouse and the great horned owl. The open fields found near the upland forests provide homes for a diversity of wildlife along their borders.

The diversity of aquatic and land species found in Marshfield is important to safeguard as the health of the town's ecosystems relies on this diversity.

Without a vigorous ecosystem, the resource that the residents have defined as most important, their drinking water is at high risk for becoming detrimentally degraded. The current state of the shellfish beds in town is an example of an ecosystem indicating the declining quality of the water, which has the potential to impact the health and wellbeing of all living creatures in town. The recommendations outlined in Sections 8 and 9 of this report look to ensure the health of Marshfield's species, in turn protecting the water supply.

Wildlife Corridors

Wildlife corridors enable wildlife to move from one habitat to another. They are particularly important as increasing development results in the fragmentation of existing forested tracts, which reduces the areas available to wildlife movement. Wildlife use the town's numerous hiking trails, cart paths, river corridors, and power line clearings as corridors. Identifying principal connections and movement corridors specific to the needs of the wildlife species present will help highlight additional areas within town necessary to protect (OSRP 2004).

Vernal Pools:

The Massachusetts Natural Heritage & Endangered Species Program has certified 42 vernal pools in Marshfield. Vernal pools are essential for the survival of certain species of salamanders, frogs, and other aquatic creatures. The vernal pools provide the only breeding habitat for many creatures and insure the continued existence of these species. It is important that Marshfield identifies and certifies all of its vernal pools and protects these fragile and important areas.

4F. Scenic Resources and Unique Environments

Summary: Marshfield is rich in scenic resources and unique environments. Some of these areas are described below and mapped on the following page.

Scenic Landscapes

Marshfield has a tract of land designated by the Commonwealth of Massachusetts as a scenic landscape. This salt marsh, the Duxbury Marsh, includes a large portion of the southern part of town, where Marshfield borders Duxbury and stretches from Green Harbor to Duck Hill.

With the exception of Carolina Hill, at 265 feet the highest hilltop in Marshfield, the rest of the town's hilltops have been developed or are in the process of being developed. Although the developed hilltops provide some scenic values, the majority of the views from most hilltops are no longer accessible to the public. Carolina Hill was protected from future development when the town purchased the hill and surrounding land for conservation.

The North, South, and Green Harbor River corridors and their surrounding marshland have immense scenic value. State regulations and the North River Commission protect these areas. The North and South Rivers and their tributaries are designated by the state as Outstanding Resource Waters. These waters constitute an important resource as determined by their outstanding socioeconomic, recreational, ecological and/or aesthetic values. The North and South Rivers Watershed Association have been vital in educating and organizing citizens to protect the river corridors. It is important that the town continue to enforce the regulations protecting these waters to ensure future generations have clean water, scenic views, and wildlife habitat.

The English Salt Marsh Wildlife Management Area, managed and owned

by the state, is a 166-acre parcel at the mouth of the North and South Rivers. The marsh surrounds Tilden and Truant's Islands and is an exceptional scenic resource for Marshfield residents and others who venture to the islands, as well as providing a feeding area for a variety of egrets and herons.

There are many open meadows scattered throughout Marshfield, both upland and wet meadows. The majority of these lands have public access and are designated as conservation land. The largest upland and wet meadow is the Daniel Webster Wildlife Sanctuary, owned by the Massachusetts Audubon Society.

Marshfield's coastline and barrier beaches provide scenic views of Cape Cod Bay. On clear days, the Pilgrim Monument in Provincetown can be seen from the town's coast.

The Marshfield Historical Commission has designated 34 streets throughout the town as Scenic Roads. The Historical Commission and the Town Planning Board protect the character and charm of these roads (OSRP 2004). A map of Marshfield prepared by John Ford Jr. in 1838 shows that several of the town's scenic roads were in use at that time and some are much older than that. Not only do these roads have scenic value, they are also part of the last remaining preserved history of the town.

Other Resources for Potential Protection and Exploration

Marshfield's extensive salt marshes, for which the town was named, are its most obvious characteristic. As much as two-thirds of the town's salt marshes have been filled and lost to development over

the years. Although currently protected by both state and local regulations, increasing development pressures may reduce those protections. The town should purchase salt marsh whenever possible to avoid further losses of this critical and unique ecological resource.

Barrier beaches are also an unusual geographic feature in town and important to preserve. Most of the barrier beaches have been extensively developed, but the town should consider enacting regulations limiting rebuilding of storm-damaged structures on barrier beaches. Please refer to Appendix A6 for further explanation.

Cultural, Archeological and Historic areas

The Daniel Webster Estate and the Winslow House are on the National Register of Historic Places and the Daniel Webster Law Office is one of 2500 properties in the United States to be listed as a National Historic Landmark by the National Park Service. The town owns several historical sites, among them the Daniel Webster Estate and Law Office, the Training Green in Town Center, the original Winslow site, and a portion of the Pilgrim Trail. There are several privately owned historical sites such as the Isaac Winslow House, the Winslow School, and the Hatch Mill. The Hatch Mill Restoration and Preservation Group is working to restore this 1759 Landmark, with the enthusiastic support of the Historical Commission. Given Marshfield's long history, there are other older homes dotting the town. The town's Historical Commission has identified approximately 300 structures with historical value. These are listed on the state survey of historic properties and are on the state register. The Marshfield Hills Village area has been recently been added to the National Register of Historic Places through the work of the Commission. The town should continue to take steps to preserve more of these properties as part of the town's shared history.

The Marshfield Historical Commission has identified seven areas as potential historic districts: the Training Green, the Main Street / Marshfield Fair area, Ocean Street in Brant Rock, Green Harbor Village, the Webster Estate and the Winslow House historical complex, and Union Street in North Marshfield. The Peregrine White Area is also of historical significance, although the area has been recently developed.

There are many archeological areas in Marshfield at risk for development. The town should make every attempt to preserve these. Some of these areas are Duck Hill and the Duxbury Marsh, Grandview Avenue, the Old Canal area in Green Harbor, all of the land bordering the North River, parts of the Pilgrim Trail, the Governor Winslow School area, and the John Thomas / Adelaide Phillips Homestead site.

Many Native American archaeological and historical sites have been documented and there are other areas that are being brought to the attention of the state archaeologist. Given the town's long history, there are sure to be other archeological areas that have not yet been identified.

One area in town that has been of concern to the Historical Commission for a long time is Blackman's Point. The site lies at the mouth of Green Harbor River and is currently used as a trailer park. It has been known as an archeological site since the 1860s, with some of its artifacts placed at the Peabody Museum at Harvard University. Blackman's Point is also a major historical site. (The world's first voice radio transatlantic broadcast was sent from Blackman's Point on Christmas Eve 1906.) The site escaped development once and is always threatened by the potential of destruction for development in the future. The Town of Marshfield and its Historical

Commission have important roles to play in protecting its historical and archeological sites.

Unique Environments

Although Marshfield does not have any State designated Areas of Critical

Environmental Concern, it does have several areas with unique environments. These areas include the town's numerous salt marshes, river corridors, harbors, and barrier beaches.

4G. Environmental Challenges

To ensure residents' safety on recreational and open space lands, this plan considers potential environmental problems that could conflict with recreation and open space goals. Potential environmental problems such as hazardous waste sites, landfills, erosion, chronic flooding, sedimentation, development impact, and groundwater and surface water pollution, have all been evaluated in setting recreation and open space priorities.

Hazardous Waste and Brownfield Sites

Fifty-six sites are listed with the Department of Environmental protection as having reported a spill of oil or hazardous material in Marshfield. Of these, fourteen sites are still in DEP's tracking database. Five of the fourteen sites directly influence the Zone II Aquifer Recharge area. These five sites are:

1. Anton's Cleaner, 668 Plain Street;
2. Briteway Car Wash, 535 Plain Street;
3. Blanchards Liquors, 700 Plain Street;
4. Marshfield High School, 89 Forest Street; and
5. Settles Glass, 820 Plain Street.

Four of the five sites appear on the Environmental Challenges map (MassGIS). Although remediating these sites is important, the responsibility for hazardous waste removal lies with the property owners despite the potential risks to the town's only supply of drinking water.

Landfills

Marshfield has closed its many small landfills/burn dumps. The closures were done in compliance with the Department of Environmental Protection regulations. Trash is now collected at the Transfer Station, and former landfill on Claypit Road and disposed of outside of town.

The town's former landfills are located off Plain Street (between Main Street and Forest Street on the north side of the street), Marshall Ave that abuts the Green Harbor River and Pine Street (north side between Forest and Main Streets). Marshfield's Municipal sanitary landfill and commercial/construction debris landfill is located off Clay Pit Road. No known environmental challenges exist in connection with the closed landfills.

Erosion and Sedimentation

Over the past fifty years, a significant amount of public and private money has been spent to construct seawalls and other structures to protect homes from flooding and wave action. The armoring of a coastline temporarily reduces the erosion in that area but also reduces the volume of sediment that is normally deposited by ocean currents and replenishes the beach deposition. This sediment deficit results in a recession and narrowing of beaches, increased erosion and an increase in coastal storm damage during storm events. For example, much of the sand sources for Humarock Beach in Scituate have been eliminated due to seawall and revetment construction during the 1940s and 1950s. Consequently, the recent trend of erosion along armored coastlines that began in the 1950s is not

only continuing, it is accelerating (MCZM, 2003).

Based on analysis of historic shoreline locations tracked from the mid-1880s to 1994, the Massachusetts Coastal Zone Management (MCZM) produced maps of the Massachusetts shoreline to demonstrate long-term shoreline change (MCZM, 2003). These maps were prepared and distributed to the Conservation Commissions of coastal communities to aid local decision-makers in identifying coastlines that are prone to storm damage and significant erosion and to assess potential erosion. Refer to Appendix A8 to view these maps. For Marshfield, rates of shoreline change ranged from a minimal 0.07 feet/year (at a transect location at Fieldston Beach) to approximately 0.5 foot/year (at transect locations at Sunrise Beach, Ocean Bluff, and Brant Rock) to approximately one foot/year (at a transect just north of Rexhame Beach (MCZM, 2003). A transect located at Green Harbor showed a beach erosion rate of 1.94 feet/year.

The challenge, therefore, is to site coastal development to avoid areas of major natural physical processes, such as erosion (MCZM, 2003). To meet this challenge, conservation commissions, planning boards, property owners, and developers must understand coastal processes and make appropriate decisions based on how the shoreline is predicted to change in order to allow the beneficial functions of the ocean's activity to continue.

Conversely, a significant accumulation of sediment deposition occurs within Green Harbor, requiring it to be dredged almost annually for the past twenty years. In addition to the sedimentation of Marshfield's navigation channels, harbors and rivers, sedimentation is also a problem in Marshfield's streams and wetlands as a result of an antiquated road drainage systems. Aside from the affects of pollutants being carried into the

wetlands and rivers, the sediment load carried to the streams and wetlands hold pollutants, including petroleum products, fertilizers, and pesticides, that affect overall ecosystem health.

Chronic Flooding

Marshfield's extensively developed seacoast brings with it the challenge of flooding and resultant property damage as a direct result of coastal storm surges. There are also many other low-lying areas in close proximity to water bodies that experience periodic flooding during heavy precipitation events.

Chronic flooding has frequently occurred in the Bass Creek and upper Green Harbor River areas, although both have seen recent reductions in flooding frequency and extent due to ongoing efforts by the DPW. For example, DPW has cleared and dredged a clogged drainage ditch in the Bass Creek Area and has been working with the Plymouth County Mosquito Control to remove invasive plants and a sediment bar blocking flow in the creek.

Neighborhoods in the upper Green Harbor River area have had reduced flooding since the installation of an adjustable tide gate used to restore some tidal exchange in the Green Harbor River estuary. State grants funding studies and direct assistance provided the means and expertise to modify the management of the tide gate structure to both reduce flooding and allow more tidal exchange to help restore the estuarine ecosystem.

Many coastal areas were developed prior to current building codes and FEMA Flood Regulations and continue to remain at risk for flood and storm damage. The Conservation Commission and Building Department work to rectify these problems by strictly enforcing the FEMA standards for construction in Flood Hazard Zones and regulating work within jurisdictional areas of the Wetlands Protection Act. Elevating structures to prevent damage from floodwaters and storm surges;

requiring flood vent openings in existing foundations; requiring compliance with coastal construction policies, are techniques that help to prevent property damage. Protecting barrier beaches, coastal dunes, and natural vegetation allow nature's natural processes to help reduce property damage from flooding. Recent initiatives by the Town Planner, Conservation Agent, and Board of Selectmen to join in regional efforts and local planning will help to develop long term best management practices for coastal areas in light of rising sea levels.

Forestry Challenges

While Marshfield is fortunate to have almost 2,600 acres of protected forests and open space, the single largest challenge is the lack of funds to manage it. The Conservation budget for management of town-owned land is a fraction of what is needed, having been slashed during the current recession. Many of the forests are lacking in age and species diversity, reflective of second-growth of abandoned farmland and a lack of forestry management. Many conservation properties are heavily used, but are not adequately maintained. A major goal of the Open Space Committee is to work with the Conservation Commission to establish an organized volunteer effort to assist in better maintaining conservation properties and to develop conservation management plans for the larger parcels, such as the 775 acre Carolina Hills. The Conservation Agent is currently exploring partnering with a local graduate school to develop a management plan for the area. It is hoped that this plan will serve as a model for other forest land in town.

Forest lands have also become challenged by a steady increase in the deer population. They currently exceed densities recommended by State wildlife biologists by almost five times. This heavy overabundance of deer brings a host of problems such as: a high incidence of

Lyme disease, increased auto/deer collisions, impacts to forest vegetation, damage to crops, gardens and ornamental plants, an increased number of coyotes and poor health of deer. Effective management of deer populations must be explored.

Development Impact

High density housing within the town's Zone II recharge area is a threat to the town's water supplies. Two wells within the municipal water system are at risk of being shut down because of nitrate levels exceeding state requirements. This issue along with the fragmentation of important wildlife habitat caused by development is addressed in Section 9: Seven-Year Action Plan.

Ground and Surface Water Pollution

Volatile organic compound contamination from a point source along Route 139 has entered the Furnace Brook Aquifer and treatment was required on three of four Furnace Brook wells. The water quality of Webster Street wells is being degraded by residential septic systems (The Town of Marshfield, DPW). The area has been identified as a priority for town sewer system expansion. Municipal water supply wells within the Furnace Brook aquifer along Route 3A (Main Street) are being impacted by road salt. There are approximately 400 outfall pipes, 4,000 catch basins and numerous detention basins that comprise the town's stormwater system (Marshfield OSRP, 2004). As part of the Phase II NPDES permit, the town is required to identify points of discharge and to take steps to reduce stormwater pollution to the maximum extent practicable. Sediment from roadway runoff has accumulated in a vast number of these discharge points. The South River has been impacted by elevated fecal coliform counts in the area from Veteran's Park at Route 3A to the Willow Street Bridge. The town is conducting an investigation to determine

appropriate mitigation measures. The town has added 1200 feet to the sewage line in an effort to alleviate the problems caused by failed septic systems. However, the septic systems in the Blackmount area still need to be addressed.

Impaired Water Bodies

Significant problems exist in many lakes and river segments, often a result of non-point source pollution (i.e., stormwater runoff) and nutrient leaching from septic systems. Massachusetts provides each lake and stretch of stream a list of specific uses, i.e., for contact recreation such as swimming or fishing; for drinking water; or for maintaining a healthy population of fish and other aquatic life. If the water quality in the stream or lake does not allow it to meet its designated use, it does not meet Massachusetts water quality standards and is considered "impaired." The waterbody is then placed on the Massachusetts impaired waters list. According to section 303(d) of the Federal Clean Water Act, inclusion on this list means a water quality improvement plan must be written for the waterbody by the Town.

The Massachusetts Division of Watershed Management has developed the following list of impaired waters that are within the Marshfield town boundary.

1. Winslow House Pond
2. Winslow Cemetery Pond
3. Green Harbor River
4. Black Mount Pond
5. Green Harbor
6. The North River
7. The South River

Environmental Equity

Marshfield is fortunate to have many open space and recreation areas scattered throughout town. The residents of Marshfield have been very proactive in protecting as much land as possible in

many locations. The southern half of town contains public beaches, an abundance of open space in the Green Harbor Wharf Creek Area and a public golf course. Centrally located in town is the 775 acre Carolina Hills Conservation Area, and the Coast Guard Hill Recreation Center located along the South River. North Marshfield, with larger parcel zoning and many land use restrictions around the North River is rich with forested woodlands, walking trails and some river access points to the North River for boating.

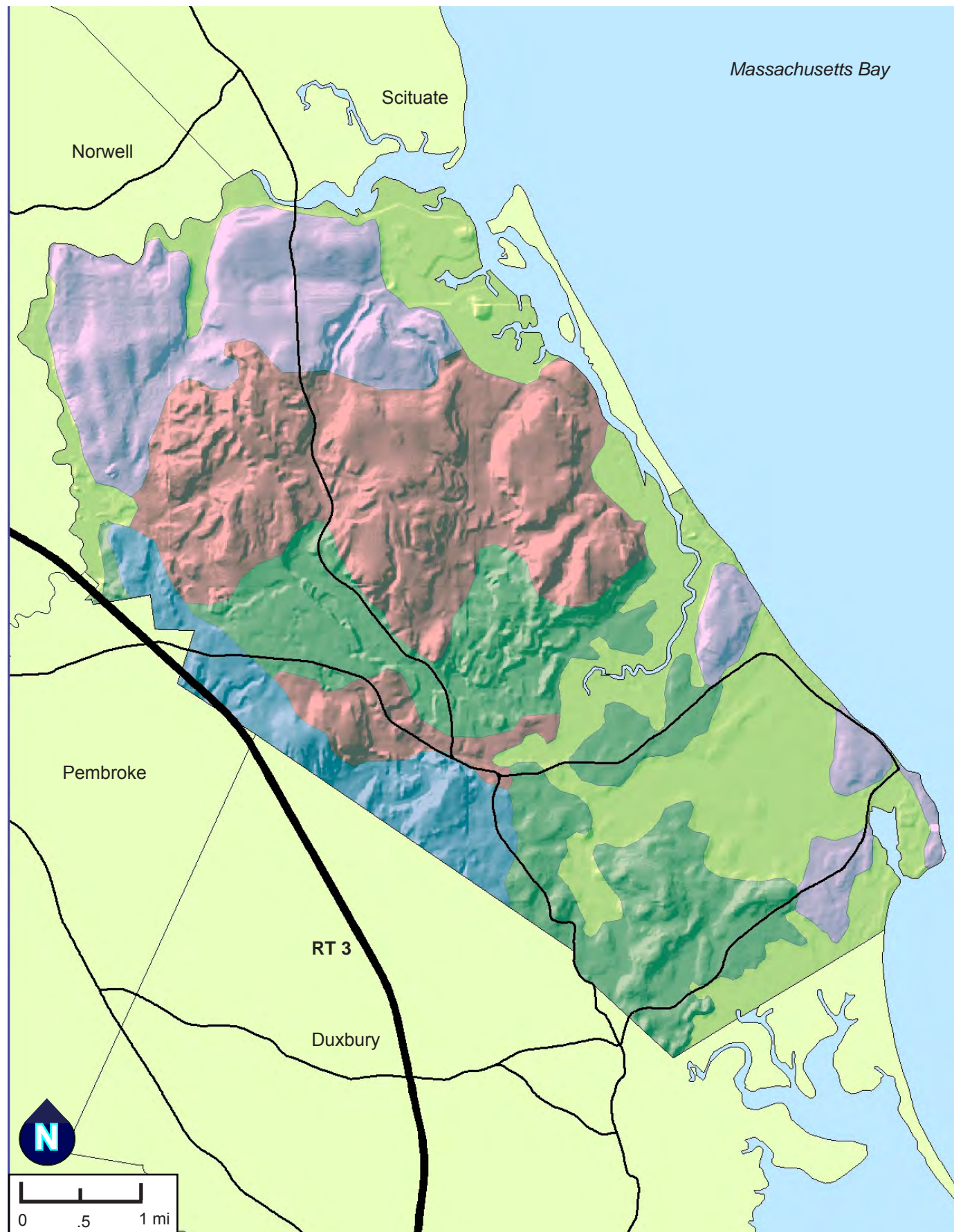
The community has also been very proactive in providing for active recreation in the center of town. The Skate Park located in the town center has been very successful and a new ADA compliant Playground located within walking distance from the Skate Park was opened in the Spring of 2010. Community Preservation Funds and private donations funded what has become a very popular destination.

The town center could benefit from more open space that is pedestrian friendly to provide easily accessible opportunities to enjoy the natural environment in this urbanized setting. There are still remaining opportunities to create pocket parks to improve the visual landscape and enhance the quality of life for those that live and work nearby.

The Old Colony Rail Trail connecting to the Keville Footbridge in the town center is a short walking path that is ADA compliant and does provide a scenic view of salt marshes and the South River. More opportunities to capitalize on the location of the river running parallel to the main road in the town center are being pursued. The Veteran's Memorial Park is also found near the town center, is ADA compliant and offers a place for passive recreation along the river. The South River Park Project, located nearby is scheduled to be completed in 2012 and

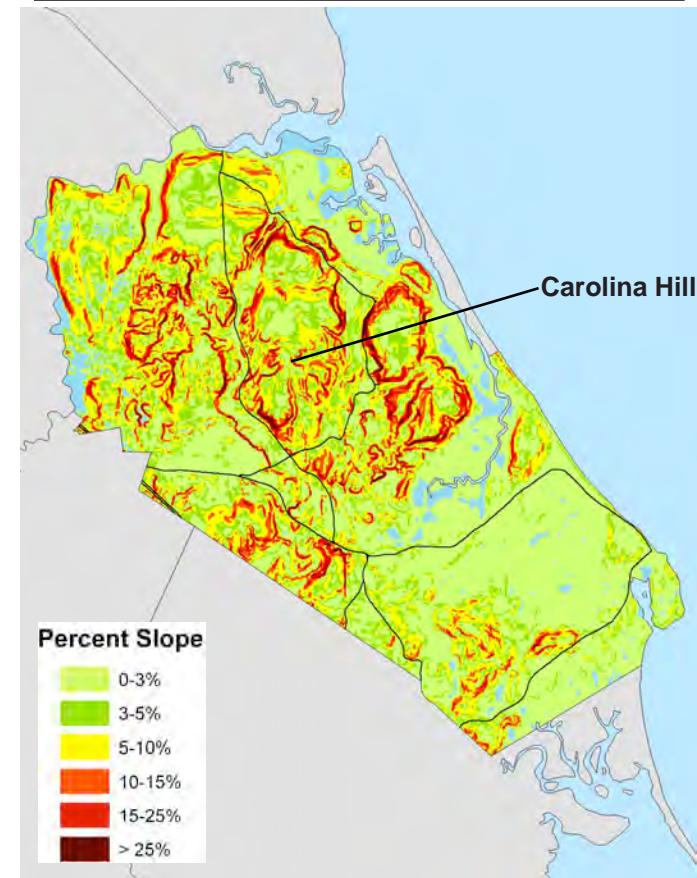
will also serve this area by providing a 1.6 acre natural park with views of the South River, a shaded picnic area, boardwalk and walking paths. The park will meet the standards for accessibility for mobility challenged and will be a welcome site to an area that has been plagued with blight. Families with small children, senior citizens or those unable to travel to some of the larger conservation sites will be able to enjoy the outdoors at this park. It is part of a larger effort to link access to the South River with parts of the commercial district. A half mile river walk is planned for the future to link to another newly created park, Dandelion Park and to provide vistas of the outstanding and unusual natural environment along the river.

Another new 1.5 acre park opened in 2010, at Proprietors Green located off Proprietors Drive behind the Roche Brothers Supermarket offering passive recreation open to the public.



Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs

Slopes



With the exception of Carolina Hill, at 265 feet, the highest hilltop in Marshfield, the rest of the town's hilltops have been developed or are in the process of being developed for private residences. Roads through developed hilltops provide some access to scenic views for the public. The most trafficked road in town, Route 3A curves between the central hills.

Soils



Soils

Marshfield's soils can be classified into five groups. The soil north-centrally located is **Hinckley-Windsor-Deerfield** mapping unit. These are deep and well drained soils that are found in Marshfield's woodlands and residential development. The soils' excellent drainage over the high aquifer recharge areas means activity above it should be closely monitored. The soils are suitable for woodlands and cropland.

Montauk-Scituate-Norwell soils line the coastline and riparian margins. These are very deep, well- to poorly-drained soils found in Marshfield's woodlands, wetlands, and dense residential development. Subsurface drainage is also a problem with these soils because the firm substratum causes a perched, seasonal high water table; therefore absorption from septic systems is poor.

South-centrally located **Plymouth-Carver** soils are excessively drained in thick sand deposits and/or loose sand. These are found along Marshfield's commercial and industrial zones and dense residential areas. Precautions should be taken to protect the aquifer within these areas.

Ipswich-Pawcatuck-Hooksan soils are associated with coastal and wetland areas; they are generally not recommended for building on because they are vulnerable to flooding.

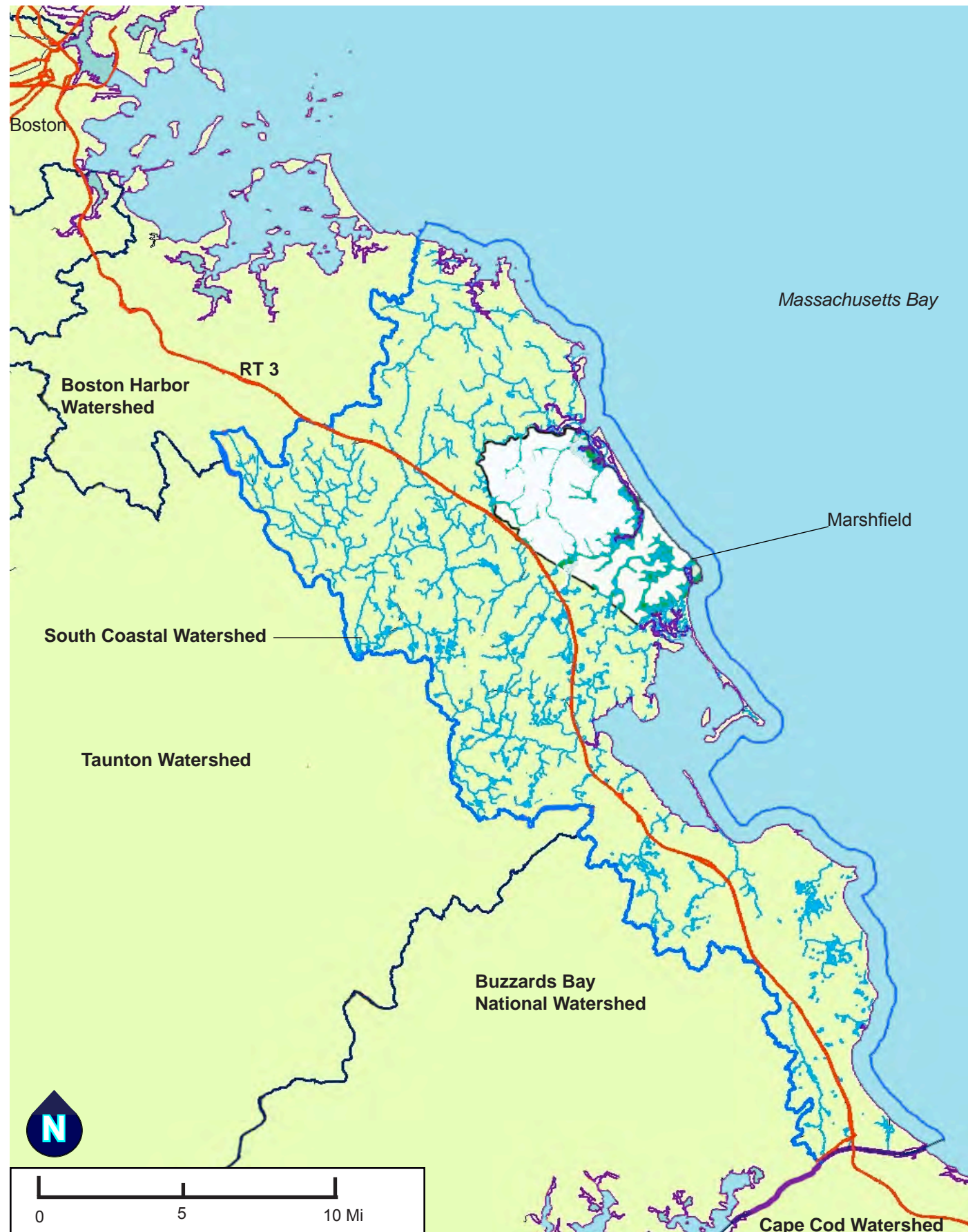
Woodbridge-Paxton-Ridgebury soils are poorly suited for septic systems due to low permeability and perched, seasonal high water tables but still support many residences and commercial establishments.

Town of Marshfield Open Space And Recreation Plan Update

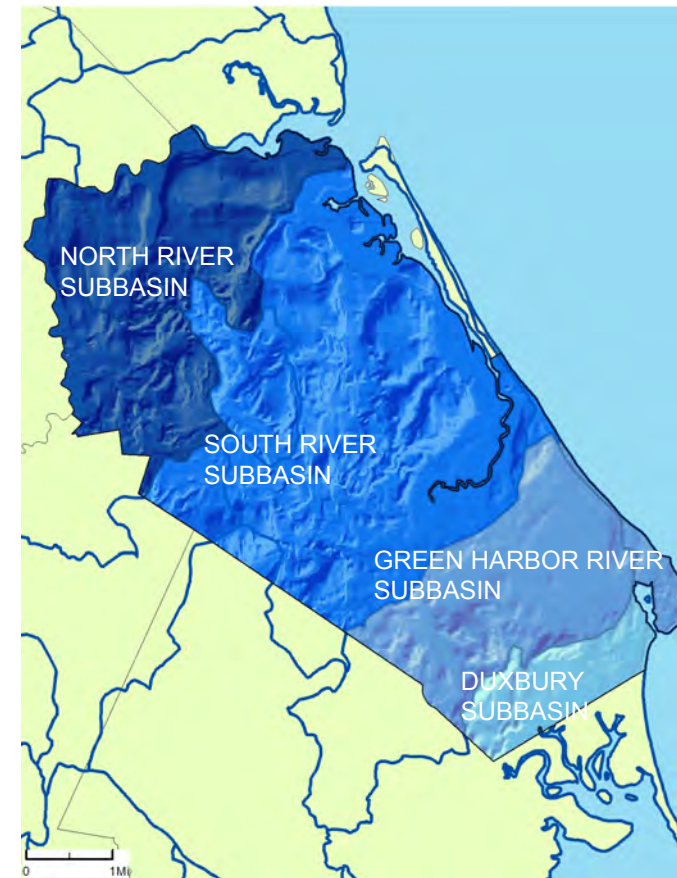
March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

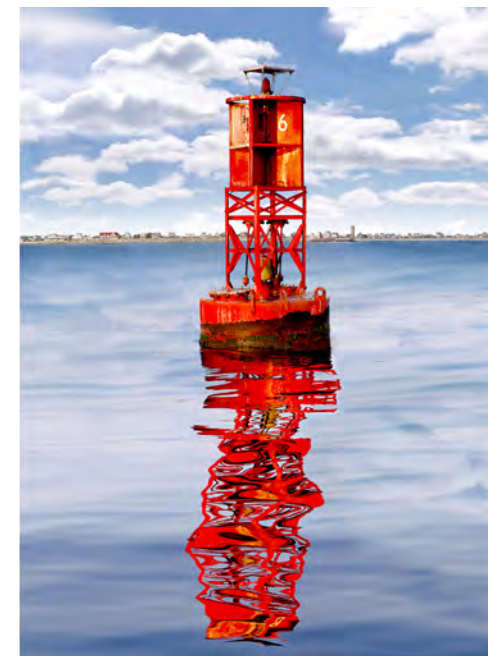
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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Marshfield has four subbasins within the South Coastal Watershed. Understanding how water flows is necessary for protecting water quality.



All water uses are channeled by the South Coastal Watershed back to the Atlantic.

Photo Credit: Chris Lewis

Watershed Context

The **South Coastal Watershed** is an area of over 240 square miles that drains into Massachusetts Bay. It includes 19 municipalities and 14 coastal river sub-watersheds. The drainage pattern critically affects drinking water, recreation, and economic activities associated with water use (such as Marshfield's shell fishing industry, which is closed due to non-point source pollution) and migratory birds' shoreline habitat of international significance.

Massachusetts Executive Office of Energy and Environmental Affairs has worked with South Coastal Watershed communities to identify and pursue these priorities to protect water quality:

- Increase awareness about water quality, quantity, impacts from stormwater runoff, and strategies to restore and protect water
- Coordinate OSRPs into a regional framework
- Develop or support water-stewardship alliances
- Promote smart growth principles

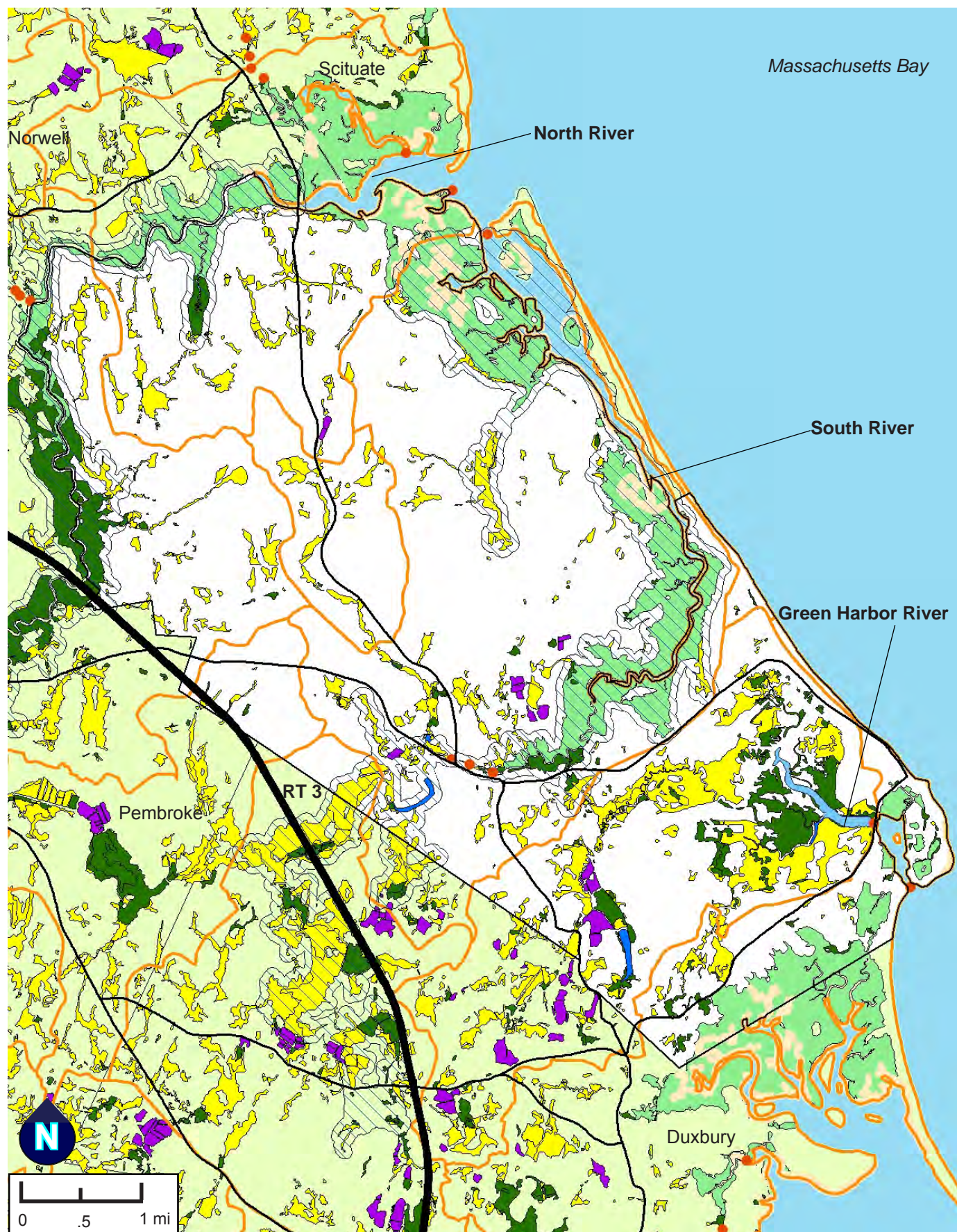
Looking at natural watersheds rather than political boundaries will help protect these resources.

Town of Marshfield Open Space And Recreation Plan Update

March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Estuarine Winter



South River in Autumn



Photo Credits from the top to bottom: Jamieson Scott, Susan Caron

Surface Water

Marshfield's extensive salt marshes, wooded wetlands, and ponds provide the invaluable service of filtering contaminants out of water and buffering storms. In storm surges, salt marshes have been proven to retain 10,000 gallons of water per acre, which helps protect coastal communities.

The areas marked as tidal flats within Marshfield are highly productive areas that support large numbers of animals, particularly shorebirds and mollusks. Migratory shorebirds depend on tidal flats for survival. Like salt marshes and wetlands, tidal flats also offer the services of storm buffering and water filtering, as well as being essential habitat for numerous species, including those on the Natural Heritage and Endangered Species Program's list of endangered species.

The North and the South Rivers are designated by the Massachusetts Surface Water Quality Standards of 2007 as Outstanding Resource Waters. Water that receives this designation has been determined to have important socioeconomic, recreational, ecological, and aesthetic values. Legislation states "the quality of these waters must be protected and maintained." Additionally, the North River is a Scenic Protected River whose 300-foot riparian buffers cannot be developed (nps.gov).

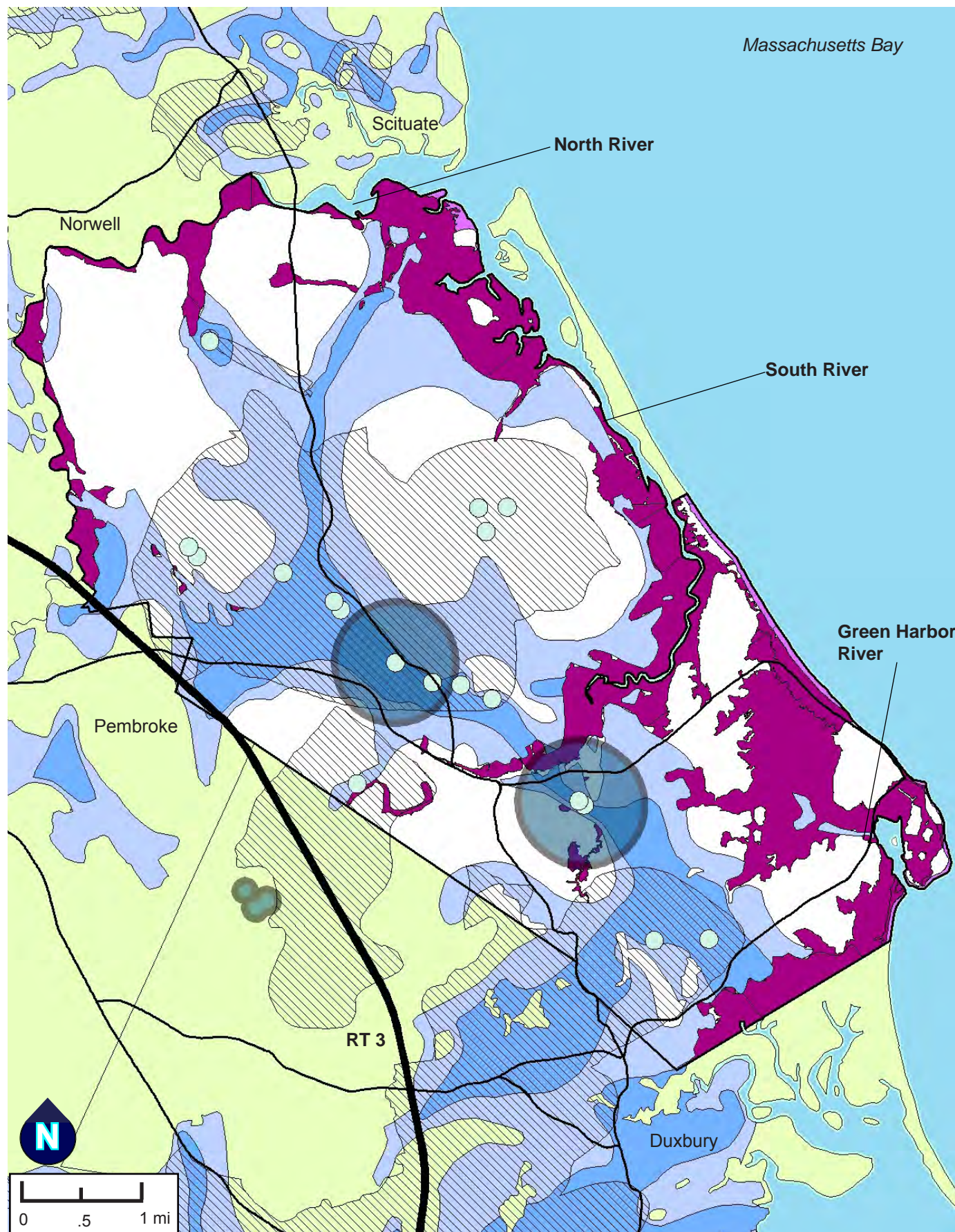
Cranberry bogs are important to the character, economy, and scenic value of Marshfield.

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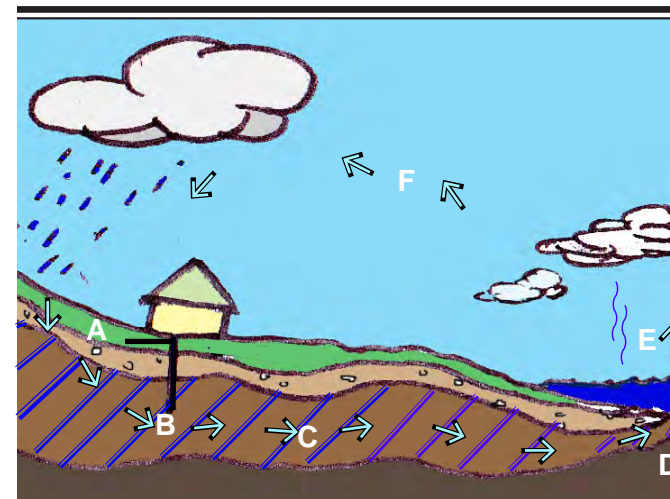
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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs

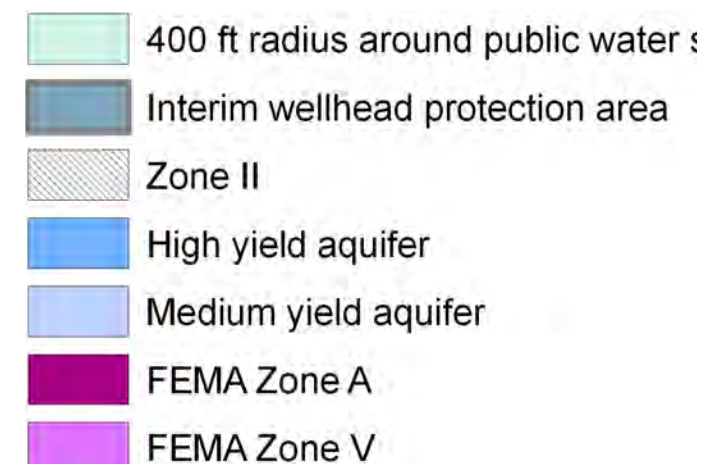
The Hydrologic Cycle and Aquifers



A-Rain, surface water, and human uses percolate into the aquifer; B-Wells draw that water; C-Aquifer carries water to the Atlantic; D-Aquifer water enters the ocean; E-Evaporation forms clouds; F-Clouds condense, rain and complete the water cycle.

Sole Source Aquifer

U.S. Environmental Protection Agency (EPA) has designated the Plymouth-Carver watershed as a "Sole-Source Aquifer" which means that communities in this watershed have no alternative drinking water source(s) that could physically, legally, and economically supply all those who depend upon the aquifer for drinking water.



Subsurface Water

Marshfield relies on the Plymouth-Carver Aquifer to supply its drinking water. The aquifer is fed by water infiltrating and flowing within the South Coastal Watershed and flows beneath the town from north to south.

Eighteen wells drawing from the aquifer provide the public water supply for the town. Each well is protected by a Zone I buffer, delineated by the DEP, that restricts activities within 400 feet of the wellhead to water supply activities. Zone II areas are those that contribute water to the wells. Certain land use activities are regulated within the Zone II Water Resource Protection District in the Zoning bylaw.

Of interest in continuing to protect the town's water supply are the areas of the aquifer that fall outside of a regulated zone. Although most of the aquifer is protected, the areas that are still unprotected are at high-risk of being negatively affected by unregulated surface activity. The town's continued effort to protect and regulate areas affecting the Plymouth-Carver Aquifer is imperative to ensure high quality drinking water for present and future generations.

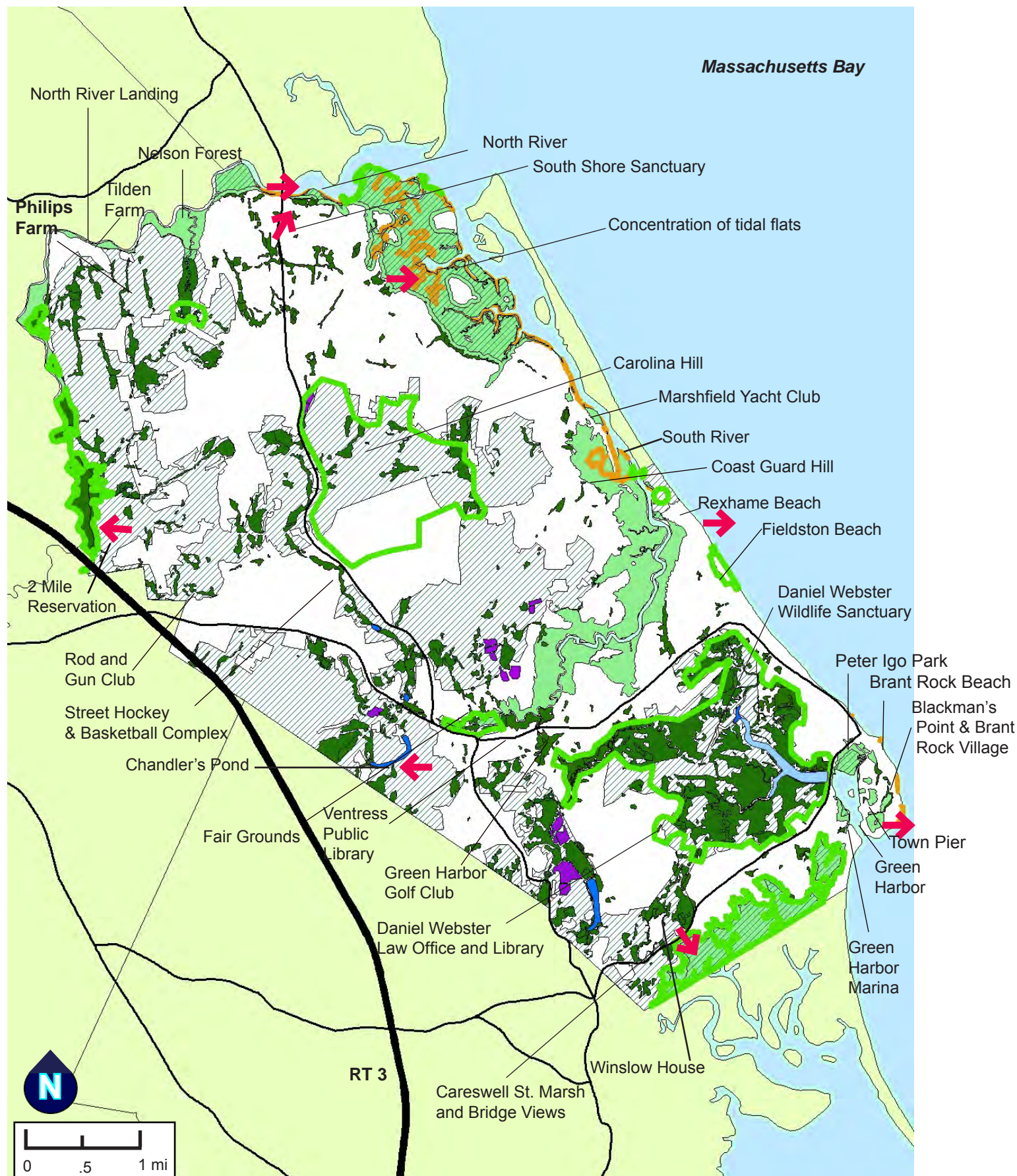
Marshfield's water supply and residents will closely feel the effects of climate change. As the sea level rises the effect on Marshfield's natural resources could be substantial. Areas falling within floodplains are likely to experience more frequent and more forceful storms, resulting in greater flooding and damage potentially affecting the water supply.

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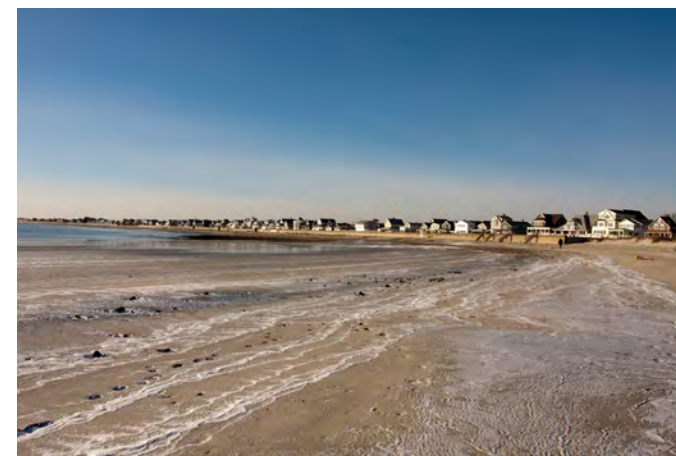
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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Brant Rock Beach at dawn



Songbird populations are generally in steep decline around the world; the Black Throated Green Warbler needs mature forest and can be found in Carolina Hill.

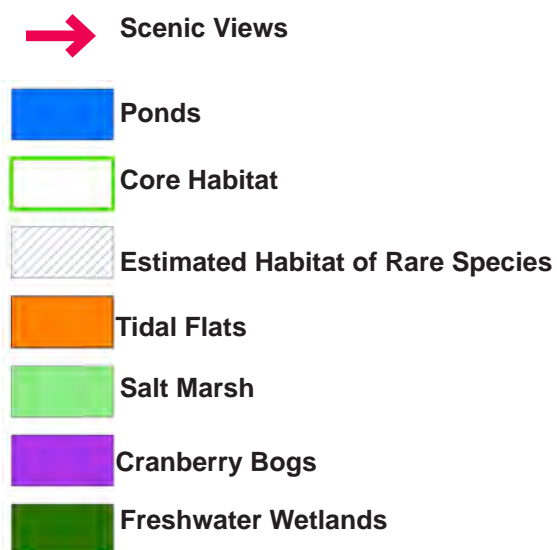


Photo Credits from the top to bottom: Jamieson Scott, Shawn Carey

Unique Features

Popular destinations along the coastline include the Town Pier, Rexhame Beach, Damon's Point, Fieldstone, and Green Harbor. The most popular areas of town, however, are its beaches. Here, from Brant Rock to the mouth of the South River, the town's population seasonally increases by more than 30% during summers making it an area of special concern for conservation efforts.

Though the coastline and its sandy beaches may be the most visited, salt marshes and freshwater wetlands are the most widely distributed natural areas. The diverse array of wetland types provide habitat, filter water, and add to the scenic inventory. The North River and its rare freshwater intertidal marsh, the largest in Massachusetts, was the state's first Scenic and Recreational River. Scenic views abound in Marshfield, from natural features to historical villages and other cultural landmarks.

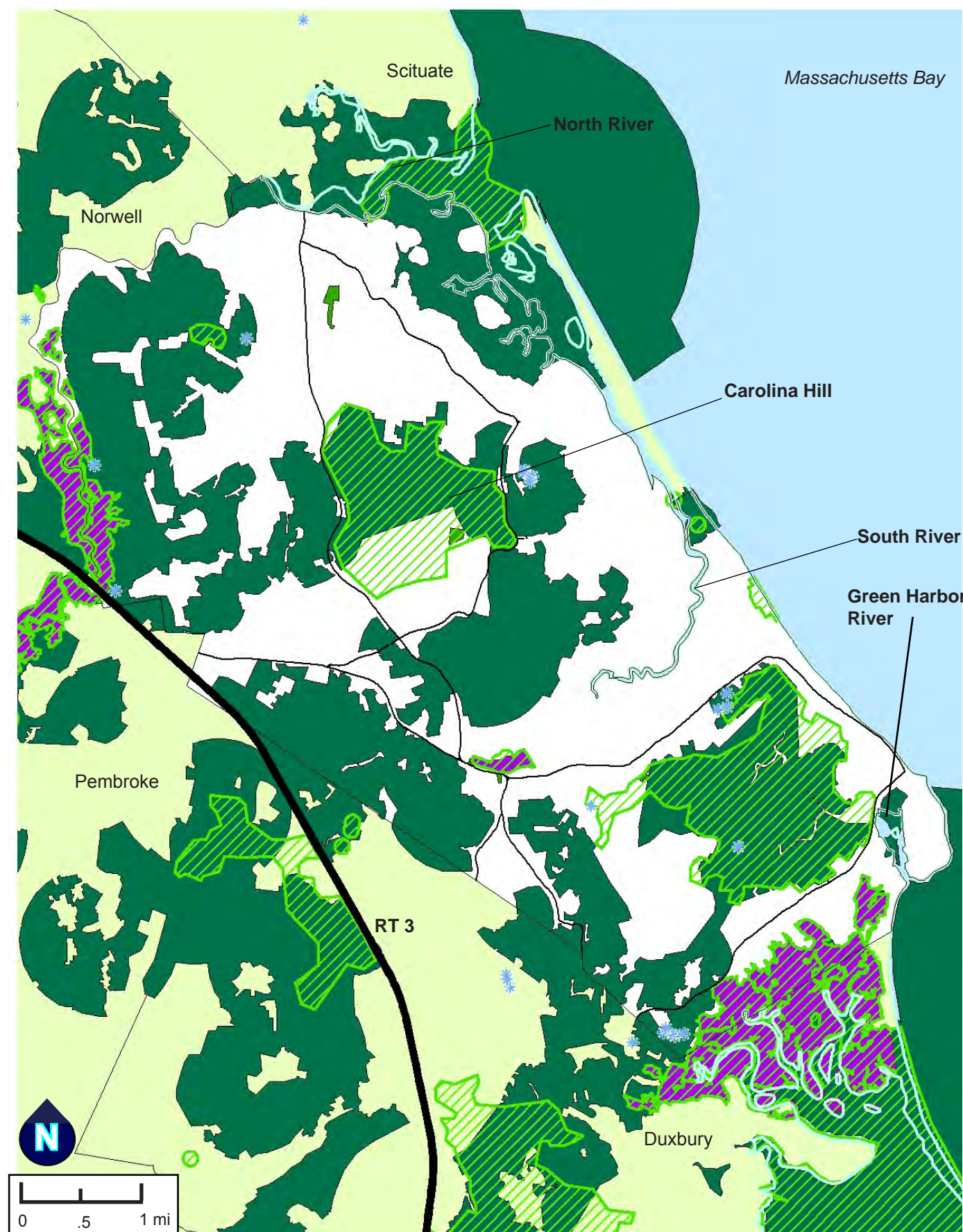
These defining features are historical, cultural, and ecological treasures that have drawn and sustained people for several hundred years, as well as wildlife and plant life for tens of thousands of years more than that. They are also the most popularly visited and trafficked areas for year long residents, summer residents, and tourists alike.

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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



A sharp-shinned hawk observes intently

Some of the town's most threatened wildlife:

- Least Bittern
- Mourning Warbler
- Sharp-Shinned Hawk
- Piping Plover
- Arctic Tern
- Eastern Box Turtle
- Spotted Turtle
- Four Toed Salamander
- Spotted Salamander
- Mystic Valley Amphipod

Most threatened plant life:

- Estuary Pipewort
- Long's Bittercress
- Others are not listed due to their rarity

Most threatened natural communities:

- Estuarine intertidal: Freshwater Tidal Marsh, largest acreage in MA, and globally rare
- Brackish tidal marsh and salt tidal marsh

-  Vernal Pools
-  Core habitat
-  Natural communities
-  Estimated habitat

Photo Credit: Jamieson Scott

Wildlife & Plant Life

Massachusetts's Natural Heritage and Endangered Species Program monitors threatened wildlife and plants in the three broad categories: estimated habitat, core habitat and natural communities.

The NHESP estimates that approximately half of Marshfield supports rare wildlife and plants. These areas are distributed throughout town with the exception of the most developed areas along the coastline and sections of the North, South, and Green Harbor Rivers. In core habitat however, scientists have recently observed rare species breeding, feeding, nesting, and overwintering, and consider them essential areas for the long-term survival of endangered wildlife and regeneration of plants. With the exceptions of Carolina Hill in the center of town, and last remaining areas on the mid-coast, Core Habitat is generally distributed towards the edges of town along the North and Green Harbor Rivers. Areas of these rivers and adjacent wetlands NHESP designates Natural Communities for their exemplary condition and rarity of plant life. For these reasons they are priority management areas for the state. The Natural Community in the North River, for example, is extremely rare as the state's largest freshwater intertidal marsh.

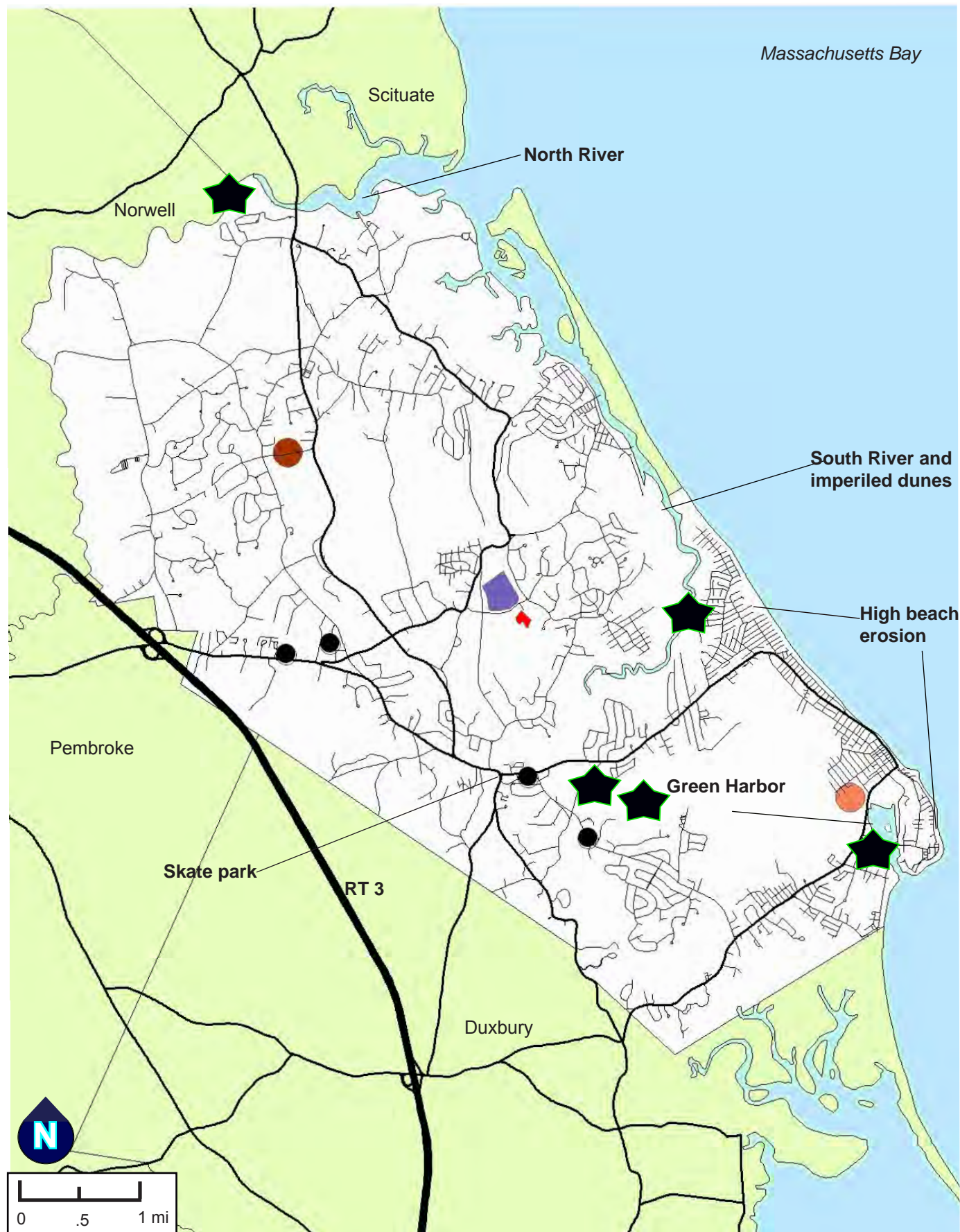
Wildlife species in jeopardy include endangered birds such as the rough-legged hawk and Arctic tern that annually migrates 50,000 miles from Antarctica to the North Pole. The tern and other shorebirds require stopovers along their epic migrations at such locations as Marshfield's salt marshes and beaches, which are some of their best remaining habitats left in New England. Other animals such as eastern box turtle require upland forest and grasslands which are not self-regenerating effectively due to unsustainable white-tailed deer populations. Suitable habitat conditions for other listed endangered species should be codified into a comprehensive wildlife management plan.

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Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Ensuring equal opportunities to recreational areas, in all areas of town, is an issue of **environmental justice**. The highly-used skate park is a model of success because it offers a place for popular-alternative recreational activities in the center of town. Work to secure open spaces such as urban parks in high residential areas is important since proximity to natural areas is a decisive factor on the frequency of recreational use.

Marshfield has been working hard to bring more recreation opportunity to the town center. A beautiful playground, completely ADA compliant, was completed in spring 2010, funded in part with Community Preservation funds. The South River Park and Greenway Project, also funded with Community Preservation funds, began in 2006 to address the need for passive recreation and open space in the town center. Having already acquired two small parcels of land along the South River and razing some deteriorated structures to make way for an ADA compliant 1.6 acre riverfront park, the town is well on the way to creating a natural park in close proximity to a high density residential area that will provide a boardwalk with river views and native plantings to support wildlife and a shaded picnic area.







-  Impaired Waterbody
-  Chapter 21E
-  Closed & capped demolition landfill
-  Closed & capped municipal landfill
-  Closed landfill
-  Closed municipal landfill

Photo Credit: Jamieson Scott

Environmental Challenges

Since Marshfield relies solely on ground water within the town boundaries to supply its drinking water, the residents have indicated **water quality** as the most significant environmental challenge. Other issues that impact the town's conservation priorities and need to be addressed include protecting habitat for rare and endangered species and preventing the erosion of beach communities.

Areas on the map marked with a black dot are 4 of the 5 **Chapter 21 E sites**, oil spill or hazardous material, in Zone II. 56 Ch. 21 E sites are listed in Marshfield but 52 are not publicly identified by MassGIS. It is important to define these areas and remediate them in order to protect both the drinking water supply and important natural communities within Marshfield.

Marshfield's beaches have been experiencing significant and accelerated erosion due to coastal armoring, such as revetments and seawalls. These seawalls temporarily reduce storm erosion yet impede the re-sedimentation process, resulting in narrowing beaches and an increase in coastal damage during storm events. The rate of shoreline change in Marshfield has ranged from 0.07 feet per year at Fieldston Beach to -2 feet per year at the Green Harbor Beach.

The **North, South, and Green Harbor Rivers** have been affected by point and non-point source pollution. Failed septic systems have elevated the fecal coliform count in these rivers, and antiquated storm runoff systems allow for sediment load containing petroleum products, fertilizers, and pesticides to be carried into rivers, wetlands, and marshes. As a result the unique and sensitive species in these areas have been impacted. Shell fishing in the North and Green Harbor Rivers, for example, continues to be restricted. Improving infrastructure, specifically septic and stormwater runoff technologies, will improve the health and vitality of natural resources and the human community.

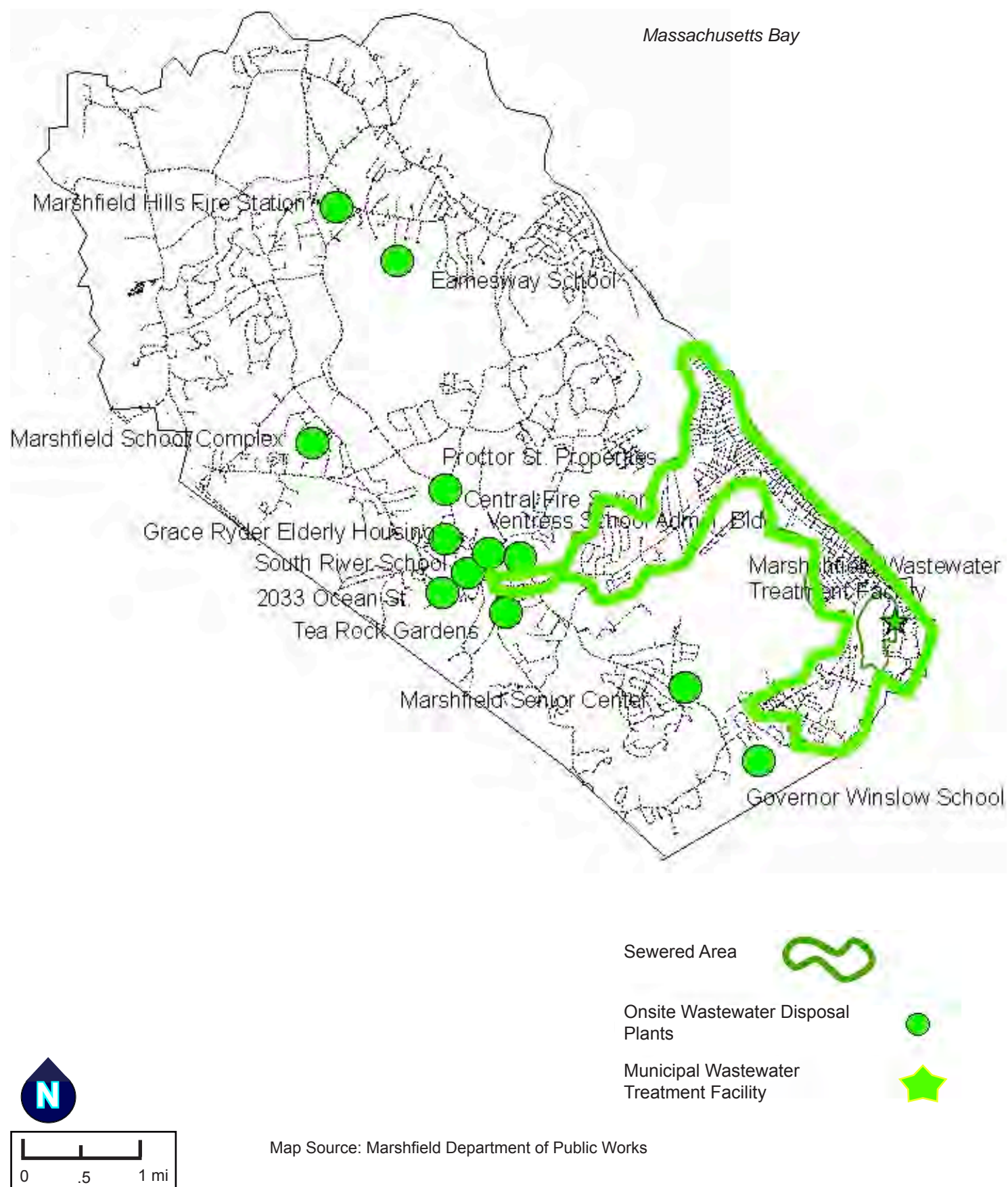
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Marshfield Wastewater Collection System and Municipal Onsite Wastewater Disposal Systems



Wetlands, such as the North River's salt marshes pictured above, provide substantial filtering services to Marshfield, but are being degraded by pollution in town and upstream in the South Coastal Watershed.

Photo Credit: Shawn Carey

Wastewater

This map comes courtesy of Marshfield Department of Public Works. The sewered area of town covers the highest density residential area, which arcs from Green Harbor northward through Brant Rock to the South River on Ocean Street. Private onsite wastewater disposal (septic) systems are used to manage wastewater in the majority of the town.

Marshfield's drinking water supply has been impacted by nutrients leaching from septic systems. Shellfish beds in the North and South Rivers have been closed due to high bacteria predominantly from septic systems. Recent efforts to improve water quality in the rivers have begun to pay off with more shellfish beds opening. The North, South, and Green Harbor Rivers are considered "impaired waterways" by the EPA, and therefore are mandated under the U.S. Clean Water Act to establish "Total Maximum Daily Load" (TMDLs). TMDLs are regulations that specify maximum amounts of pollution that can be discharged into waterways. These new regulatory standards will improve water quality.

Wastewater affects our ground water resources and public drinking water supply. Stormwater runoff from impervious surfaces carries fertilizers, pesticides, and other pollutants to surface water resources such as our rivers. Eventually, our coastal waters receive contamination from these sources. For these reasons, protecting the Town's water resources is a top priority.

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SECTION 5:

*Inventory of Land of Conservation
& Recreational Interest*



Photo Credits

Left to Right: Mike Sleeper, Shawn Carey

5: INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST

This section provides an inventory of the various levels of protected land in Marshfield. Each parcel's degree of protection and ownership is identified. The map accompanying this section, Open Space Inventory, illustrates the arrangement, context and levels of protection of the open space land within Marshfield. Section 5A describes types of privately owned open spaces of public interest. A detailed table in section 5B contains information on each parcel, including ownership, management agency, current use, condition, recreational potential, public access, funding source, zoning, and degree of protection.

Currently 5,413 acres or roughly 25% of Marshfield is "open space." The term "open space," as used in this document, generally refers to undeveloped, conservation, recreational, forested, and agricultural lands or parks; but in the broadest terms open space can also include green buffers along roadways, vacant lots, brownfields, or undeveloped land of recreation and conservation interest. These areas have varying degrees of legal protection, from permanent protection that could only be overturned by a two-thirds vote of the state legislature to limited restriction on uses over a limited period of time. Irrespective of ownership or specific legal status, protection of open space is essential for recreation and natural

resource purposes. If Marshfield is to continue preserving its exceptional natural heritage, the town must continue to be innovative and coordinate targeted acquisitions.

The town manages all types of open spaces and collaborates with many groups in order to accomplish this. Individuals from the private sector, for example, have generously gifted the town with acreage, or taken advantage of its tax incentives to keep land undeveloped for a period of time, typically five to ten years under the state Chapter 61 programs. These lands are considered "quasi protected" due to their developability after a set term. This public-private partnership is essential, especially for connecting large public parcels. Town departments and non-profits are responsible for managing the largest acreage of open spaces "protected in perpetuity" in such areas as Carolina Hill and Massachusetts Audubon's Daniel Webster Wildlife Sanctuary.

Wildlands Trust of Southeastern Massachusetts, Mass. Audubon Society, North and South River Watershed Association, The Trustees of the Reservations, Marshfield Recreation Department, Conservation Commission, Planning Board, Department of Public Works and active citizenry are the Open Space Committee's primary partners in ensuring OSRP goals are achieved.

5A. Private Parcels

The following list describes types of privately owned parcels that may be of open space interest.

- Forested land: including large uninterrupted blocks of woodland or tree farms
- Areas important for water protection such as river corridors and aquifers
- Estates
- Major institutions such as school lands
- Corporate holdings
- Quarries
- Less-than-fee interests lands that are encumbered by natural resource, historical, and or conservation restrictions
- Priority natural communities for endangered species
- Open spaces in underserved areas of the community, farthest from open space access
- And any Chapter 61 parcels that fall within these areas.

Chapter 61:Massachusetts Current Use Forest Tax Program offers compelling incentives for private landowners to collaborate with Town OSRP goals. Chapter 61 was created to give preferential tax treatment to those landowners who maintain their property as open space for the purposes of timber production, agriculture or recreation. More specifically:

Chapter 61: Contiguous forestland of ten or more acres with an approved management plan for improving forest health.

Chapter 61A: Agricultural/horticultural land in excess of five acres, e.g. cranberry bogs, orchards, grape vineyards, productive woodland (Christmas trees, woodlots) and nurseries.

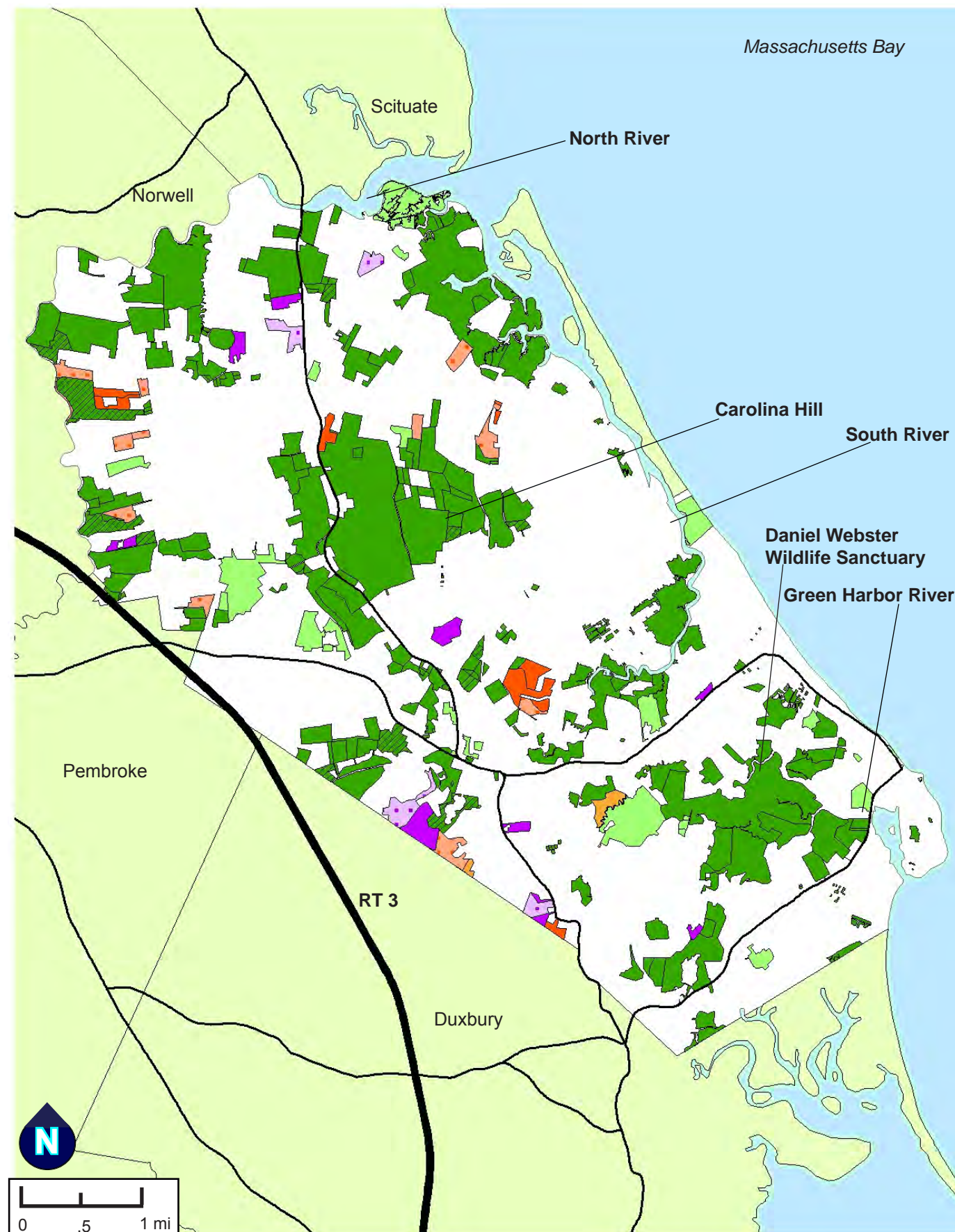
Chapter 61B: Recreational land, e.g. hiking trails or paths, camping, boating, golfing, fishing areas, and horseback riding trails open to the public.

A detailed list of Marshfield's Chapter 61 lands can be found in Appendix A.

5B. Public and Nonprofit Parcels

Marshfield has 4814 acres of land protected in perpetuity. The majority (3026 acres) of this land is managed municipally by the Conservation Commission, school department, the department of public works, or the water department. Land

trusts manage 1120 acres, and the state manages 431 acres of the English Salt Marsh in northeastern Marshfield. A detailed list of these parcels can be seen in Appendix I.



Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Daniel Webster Wildlife Sanctuary



John Little Conservation Area

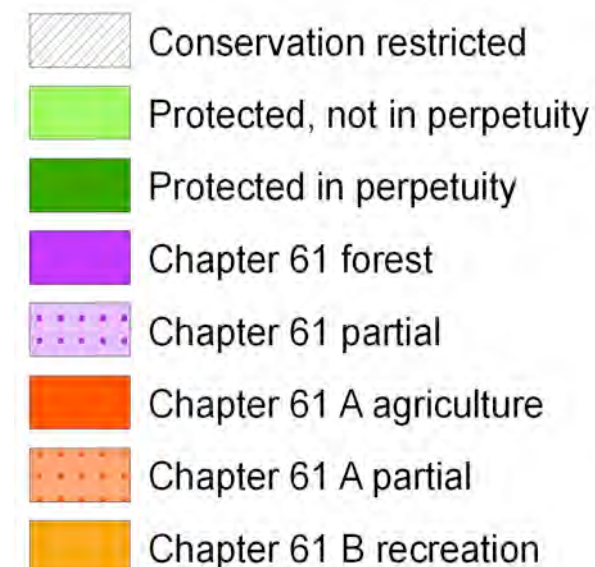


Photo Credits from the top to bottom: Shawn Carey, Jamieson Scott

Open Space Inventory

Of Marshfield's total land area 26% is protected as open space. Approximately 2/3 of the protected land is protected in perpetuity, the largest of which is the centrally located Carolina Hill, which is of particular importance due to its semi-contiguous 775 acres and its protection of high-rate aquifer recharge areas. Other lands protected in perpetuity are distributed across town, providing vital "stepping stones" for wildlife between larger protected open spaces, such as those found buffering the North, South, and Green Rivers.

Generally all protected open spaces occur where multiple town goals overlap—water and wildlife protection, and connection opportunities. Land that is delineated as open space but not protected in perpetuity also supports these goals to varying degrees. These include golf courses, some town parks, a rod and gun club, tree farms, athletic fields, and cemeteries.

Since the 2004 OSRP, 270 acres have been added to the town's open space inventory. The more open spaces that are protected, the greater their value becomes. Aggregated open space creates:

- Multiple ecological benefits
- Superior habitat quality
- Improved recreational opportunities
- Enhanced property values

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SECTION 6:

Community Vision

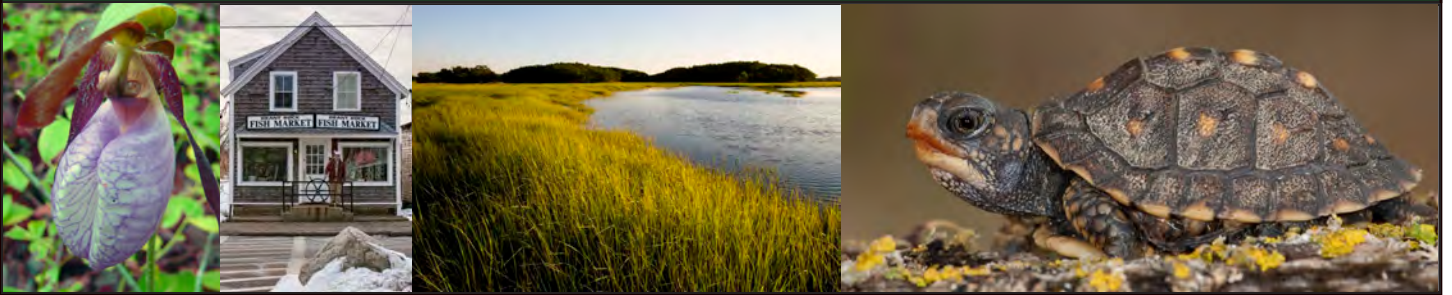


Photo Credits

Left to Right: John Galluzo, Jamieson Scott, Manomet Center, Shawn Carey

6. COMMUNITY VISION

6A. Description of Process

This document represents the culmination of the town's intensive and ongoing community planning since the last OSRP released in 2004. In that time, the Open Space Committee (OSC) and Conservation Commission have worked to cultivate a public planning process. From January through March 2010, with the support of the CSLD students, town officials and members of the public came together for two hearings that were advertised on cable TV, radio, and

posters. Community opinions were also solicited through internet-based and printed surveys made available in public institutions and on the Town Hall website. Approximately 300 surveys were returned. This public participation and feedback is fundamentally important to open space planning in Marshfield so that the OSRP accurately reflects community values. This document respects community values and strives to synthesize them in this extensive plan.

6B. Open Space and Recreation Goals

The overall open space and recreation vision for Marshfield reflects the desires of the residents to protect priceless natural resources and the coastal town character for current and future residents. Open space and recreation goals are:

- Protect the drinking water supply.
- Protect and connect plant communities and wildlife habitat.
- Create connections between currently protected parcels to make a greenway and trail network throughout town.
- Develop partnerships with organizations to protect, manage and promote the town's open spaces.
- Improve inter-departmental transparency and communication between departments and the community on open space and recreation issues.
- Develop the town's green infrastructure.

Marshfield is richly endowed with scenic, ecologically productive, and indeed globally rare to unique landscapes that have sustained Marshfield citizens for several hundred years. The town's vision imagines these landscapes geographically reunited from the presently fragmented

network, into a greenway that links the most significant open space across town. This increased connectedness will improve ecological services that clean air and water; restore and enhance lost habitat; protect and raise land value; provide the ideal setting for citizens' outdoor recreational and educational experiences; attract investment and create green jobs, the future of Marshfield's sustainable economy. It is important to recognize that Marshfield's historically successful efforts to conserve open spaces has led the community to a point where a greenway is not only possible, but realistically achievable within five years.

This is a momentous opportunity for Marshfield to secure a sustainable future for its natural heritage. By establishing a greenway of interconnected open spaces, Marshfield moves to slow the fragmentation of natural areas, and thus protect the fundamental ecological integrity of its landscapes. Greenways are a visionary and effective strategy to address fragmentation and are being implemented around the world.

SECTION 7:

Analysis of Needs



Photo Credits

Left to Right: Jamieson Scott, Shawn Carey, Libby Bates

7. ANALYSIS OF COMMUNITY NEEDS

7A. Summary of Resource Protection Needs

The community has asserted that protecting land within aquifer recharge areas and land that serves as wildlife habitat are a priority. All wellheads (Zone I) have a 400-foot protection radius buffering them. The Zoning Bylaw contains restrictions on development within the WRPD or Zone II. These restrictions on all development limit the amount of nitrogen that can be discharged from a septic system to 5 parts per million (ppm) which is half of the state's maximum concentration. Permanently protecting parcels abutting conserved land within zone II is a priority. Marshfield has many marshes along the South and North Rivers. Salt marshes are currently

protected under state and local wetlands protection laws. Placing them under perpetual protection will ensure their natural, unspoiled state. Improving wildlife habitat will involve buffering existing protected space that fall within NHESP designated areas. The community needs to connect already-protected parcels, which will create larger open space lands and greater wildlife habitat. Unprotected parcels that fall within Zone II areas that are also considered NHESP bio-core habitat and can connect to already protected lands will be priority acquisitions, as they will enable the community to target many goals at once.

7B. Summary of Community's Needs.

Conservation

Marshfield depends on its own aquifers for water supply. Obtaining additional water from other communities is not an option because those communities are also dependent on Marshfield's aquifer. The tidal rivers within the town restrict the areas that can be tapped for water because of the intrusion of salt into water supply wells. It is imperative for the health of the community to safeguard its aquifer recharge zone areas. Endangered, threatened, or special concern species have been reported in several locations outside of NHESP designated areas. Much more survey work and observation needs to be done to realize the full consequences of development and to protect biologically sensitive areas before they are gone forever.

Recreation

Recreation needs in Marshfield are consistent with the needs identified for the Southeast Region in the 2006 Statewide Comprehensive Open Space and Recreation Plan (SCORP). The greatest

identified need is for trail based activities, including walking and road biking. The second highest demand is for field based activities, new recreational facilities, and playgrounds, tennis and golf. Town officials and resident surveys would conclude that a portion of these needs priorities mirror the desires of the Marshfield community and continue to drive the goals for open space and recreation planning.

The town has twenty-six ball fields, eight of which are shared for different sports. Only a few are rested for up to three months. The athletic director, Department of Public Works supervisor, trees and greens supervisor, youth and adult recreation league presidents, and recreation director, assert that the town needs additional fields for football, soccer, baseball, softball, and lacrosse, with another five to eight fields needed to meet the needs of youth programs. With additional fields some fields could be rested each year.

Creating an additional indoor recreational facility would also be greatly utilized. The current indoor facility is fully booked each day and does not meet the demand of interested users. SCORP 2006 reports that 43.9% of respondents prefer that funding initiatives be directed towards maintaining existing recreation sites and 31.4% would support restoring and improving existing sites, suggesting that directing funding to this area, would be supported by many.

Marshfield has roughly 15 miles of hiking trails, and over 5,000 acres of land with public access. The longest trail is only 2 miles. Members of the community have stated that existing trails need to be maintained, blazed, and new trails created to connect to other open spaces. This is consistent with the 2006 statewide survey identifying that the greatest recreation need is for trail based activities. SCORP 2006 indicates that 45% of visits made to trails are within ones' own town, which further supports investing in the creation and improvement of trails. Additionally, parking needs to be designated near trailheads.

Presently a section of the Old Colony Railroad bed is being used as a bridle trail. A larger multiuse trail is needed, which would address the great demand for biking.(See Appendix A)

There are five canoe or kayak launching areas that can be used to enter the rivers or ocean. The community has expressed a desire for more canoe/kayak launches that are farther up the North River. The Recreation Department headquarters would be a viable place to locate additional river access. Located at Coast Guard Hill and bounded to the north by the North River, the property could offer the public access to the river with the convenience of plenty of parking.

Recreation for Special Needs Populations

A study of population trends conducted by the Mass Institute for Social and Economic Research predict that by 2020 Marshfield will see reductions in school age children and a rise in the number of retired citizens. Planning for the recreational needs of this population involves understanding their needs and making progress towards full ADA compliance. SCORP 2006 reports that people over the age of 65 use beaches, trails and greenways more than any other group. Additionally, 20% of Massachusetts households contain someone with a disability according to the statewide survey. Over 50% of those surveyed with disabilities report using beaches and coastlines. Over 50% also report using parks and about 25% use trails and greenways.

Increasing the number of ADA compliant parks and trails and making our beaches accessible to seniors and those with mobility challenges is of major concern, given the projected increase in need for these resources and identified user patterns.

While all recently built park sites are ADA compliant, with the exception of the Veterans Memorial Park, these sites are geared towards the needs of children. The South River Park and proposed trail way helps to address this and will provide a new opportunity for the mobility challenged to enjoy the outdoors, but more remains to be done to increase the availability of such sites. The Mass Audubon North River Sanctuary, in recognition of this need also has access improvements underway and The Coast Guard Hill Recreation Center is adding raised flower beds for community gardening as well. More collaboration with the Council on Aging will help to better understand the activities most in need for our senior citizens.

Addressing access issues for our beaches remains challenging, due to both economic and environmental constraints. Much of our coastline is subject to storm surges and high wave action making the preservation of our existing barrier beaches and dunes critical for protection from flooding and avoiding property damage. Creating ADA compliant ramps for access that do not alter the dune

systems has been studied, but lack of funding has prevented construction of the necessary structures.

Directing resources to this area, seeking grant funds and evaluating new technologies for temporary walkways and specially designed wheelchairs should be a priority.

7C. Management Needs

While Marshfield has been fortunate to acquire a great deal of conservation land, it now finds itself in the position of having to maintain nearly 5400 acres with minimal staff and budget. As a result, there are parcels that are suffering from abuse (e.g., from dirt bikes and ATVs) and also from erosion and sedimentation as witnessed and discussed by trail users at the town meetings. The continuous review and maintenance are time and resource intensive. Without funding or a maintenance plan, the land available to the community for passive recreation could become less available. Because

there is a strong need for financial assistance for either direct maintenance and/or for the further development and promotion of a volunteer program developed and sponsored by the Marshfield Conservation Commission. The town is in great need of a trail committee to focus on trail maintenance and creation. The creation of this committee would make possible a town trail system. Existing trails need to be maintained, flagged, and mapped so the public can learn of them. Parking near trails needs to be designated.

SECTION 8:

Goals and Objectives



Photo Credits

Left to Right: Mike Sleeper, Shawn Carey, Massachusetts Audubon Society

8. GOALS AND OBJECTIVES

The following list of goals and objectives is based on a community survey, input from two public meetings, and input from the town's boards and commissions. The goals and objectives outlined in this plan are intended to achieve a balance of conservation and recreation.

Goal 1. Protect the drinking water for the town of Marshfield.

Objectives:

1. Continue to address contamination in well sites.
2. Permanently protect Zone II Aquifer recharge areas.
3. Reduce Negative Impacts on the Aquifer.
4. Prepare for rising sea levels and its effect on the water supply.

Goal 2. Expand and connect existing preserved land to enhance wildlife corridors, protect species habitats and preserve scenic vistas integral to the character of the town.

Objectives:

1. Identify and prioritize key acquisition parcels for conserving habitat and biodiversity.
2. Prevent the fragmentation of wildlife habitats to maintain biodiversity, preserve scenic and historic vistas and expand passive recreational opportunities.
3. Protect wetlands, vernal pools, salt marshes, natural beach communities, and riparian corridors through acquisitions or conservation restrictions.

Goal 3. Provide recreational opportunities for all age groups that are all persons accessible.

Objectives:

1. Improve access and conditions on Conservation and Recreation Properties.
2. Expand the quantity of access points for canoes and kayaks on the North, South and Green Harbor Rivers.
3. Improve access to beaches and shorelines for all populations.
4. Increase community gardens and small parks throughout town.
5. Increase availability of indoor and outdoor active recreation.

Goal 4. Increase collaboration with the community, town boards, and local conservation groups to improve open space and recreation in Marshfield.

Objectives:

1. Develop partnerships with organizations and the community to protect, manage and promote Marshfield's natural resources.
2. Create public participation in open space management by connecting interest groups.
3. Improve recreational information available to residents.

SECTION 9:

Seven-Year Action Plan



Photo Credits

Left to Right: Mike Sleeper, Massachusetts Audubon Society, Shawn Carey

9. SEVEN-YEAR ACTION PLAN

The seven-year action plan below lists specific actions Marshfield can take to meet the objectives outlined in Section 8: Goals and Objectives. The action plan also includes a recommended timeline for completion of each action step, as well as a suggestion of boards and committees that could work together to ensure that each action step is completed. Successful implementation of these actions will require that responsible teams work together and remain committed to the goals and objectives that have been created by the Open Space Committee and Marshfield's residents.

Key to groups responsible for implementing action items:

Agricultural Commission – AC
Board of Public Works – BPW
Open Space Committee – OSC
Board of Health-BH Town
Town Assessor-ASR

Recreation Planning Board – PB
Department- REC
Conservation Commission-CC
Planner-TP
Conservation Agent - CA



GOAL 1: PROTECT THE DRINKING WATER FOR THE TOWN OF MARSHFIELD

Goal 1, Objective 1: Address the risk of contamination at well sites.

Action	Responsible Group	Funding Source	Time Frame
Acquire or otherwise protect available parcels that will buffer wells from VOC's, nitrogen and other contamination sources	BPW DPW		2010-2017
Reduce volatile organic compounds at the source	BPW DPW		2010-2017
Continue to monitor source water at known contamination sites for reductions through natural attenuation	BPW DPW		2010-2017

Goal 1, Objective 2: Acquire or otherwise permanently protect areas with Zone II.

Action	Responsible Group	Funding Source	Time Frame
Work with DPW and Town Planner to determine parcels that are within Zone II and unprotected	OSC, BPW, CC, ASR	DPW Enterprise Fund, Community Preservation Funds, Water Supply Protection Grants	2010-2014
Monitor and update Priority Parcel List for Drinking Water Protection	OSC, BPW, CC, ASR	DPW Enterprise Fund, Community Preservation Funds, Water Supply Protection Grants	2010-2014
Acquire land within the Water Resource Protection District	OSC, BPW, CC, ASR, PB, TP	DPW Enterprise Fund, Community Preservation Funds, Water Supply Protection Grants	2010-2017

Goal 1, Objective 3: Reduce negative impacts on the aquifer.

Action	Responsible Group	Funding Source	Time Frame
Continue public education and outreach regarding negative impacts from lawn fertilization, improper hazardous waste storage and disposal, and lawn irrigation	BPW, CC, BH, TP, CA	DPW, Grants	2010-2017
Evaluate effectiveness of waste water systems in Zone II areas	BPW, CC, BH, TP	DPW, Grants	2010-2017
Enforce Best Management Practices for stormwater runoff	BPW, CC, BH, TP	DPW, Grants	2010-2017
Strengthen Zoning Bylaws in Zone II recharge areas	BPW, CC, BH, TP	DPW, Grants	2010-2017
Encourage Smart Growth Planning	BPW, CC, BH, TP	DPW, Grants	2010-2017
Utilize the North and South River Watershed Association in community outreach efforts for public education	BPW, CC, BH, TP, CA	DPW, Grants	2010-2017

Goal 1, Objective 4: Prepare for rising sea levels and effect on water supply and community.

Action	Responsible Group	Funding Source	Time Frame
Create climate change commission to research, educate, and update the public	PB, BPW, CC, OSC, TP, CA		2010-2015

Work with the Storm Smart Coasts program to receive technical assistance and strategies on dealing with sea level rise	PB, BPW, CC, OSC, TP, CA		2010-2015
Develop maps of potential impact areas to be used as a visual tool for decision making	PB, BPW, CC, OSC, TP, CA		2010-2015

GOAL 2: EXPAND AND CONNECT EXISTING PRESERVED LAND TO ENHANCE SPECIES AND WILDLIFE HABITATS AND PRESERVE SCENIC VISTAS INTEGRAL TO THE CHARACTER OF THE TOWN.

Goal 2, Objective 1: Identify and prioritize key acquisition parcels for conserving habitat and biodiversity.

Action	Responsible Group	Funding Source	Time Frame
Inventory remaining open space and prioritize top parcels by use of BIO Map II and Land Acquisition Matrix	OSC, CC, REC, CA		2010-2015
Explore potential acquisitions or conservation restrictions on priority parcels	OSC, CC, REC, CA		2010-2015
Explore availability of grant funds (See appendix A1)	OSC, CC, REC		2010-2015
Collaborate with local conservation groups in acquisition and conservation restriction efforts	OSC, CC, REC, CA		2010-2015

Goal 2, Objective 2: Prevent the fragmentation of wildlife habitats, preserve historic

Action	Responsible Group	Funding Source	Time Frame
Increase size and quality of wildlife habitats through acquisition and protection of priority uplands	OSC, CC, AC, CA	Community Preservation Fund, Grants	2012-2017
Seek acquisitions that link existing preserved land	OSC, CC, AC, CA	Community Preservation Fund, Grants	2012-2017
Collaborate w/ conservation groups to secure and identify funding sources	OSC, CC, AC, CA	Community Preservation Fund, Grants	2012-2017

Goal 2, Objective 3: Protect wetlands, vernal pools, salt marshes, natural beach communities, and riparian corridors

Action	Responsible Group	Funding Source	Time Frame
Implement additional source water protection ordinances	BPW, CC, TP, CA	Grants, DPW	2010-2017
Continue to restrict development in water resource areas by strict adherence to the Wetlands Protection Act and WRPD bylaws	OSC, CC, TP, BPW, CA		2010-2017
Increase public education around wetlands protection as it relates to habitat survival, flood protection and continued challenges from erosion, stormwater runoff, and human activity	BPW, CC, TP, CA	Grants, DPW	2010-2017
Seek acquisitions and conservation restrictions that buffer wetland resources	OSC, CC, TP, BPW, CA	Community Preservation Fund, Grants	2010-2017

GOAL 3: PROVIDE RECREATIONAL OPPORTUNITIES FOR ALL AGE GROUPS THAT ARE ALL PERSONS ACCESSIBLE.

Goal 3, Objective 1: Improve access and conditions on Conservation and Recreation properties

Action	Responsible Group	Funding Source	Time Frame
Initiate an organized volunteer program to monitor and maintain conservation and recreation properties	OSC, CC, REC, TP, CA	Conservation Management Funds, Grant funds	2010-2013
Create a Trails Committee to evaluate existing trails, explore new trail sites, and develop a trail usage plan that addresses multiple user groups	OSC, CC, REC, TP, CA	Conservation Management Funds, Grant funds	2010-2013
Monitor existing trails for ADA compliance	OSC, CC, REC, TP, CA	Conservation Management Funds, Grant funds	2010-2013
Create permanent signage and develop updated trail maps	OSC, CC, REC, TP, CA	Conservation Management Funds, Grant funds, Community Preservation Funds	2010-2013
Develop Management Plans for the most heavily used properties that address safety, conservation, and biodiversity	OSC, CC, REC, TP, CA	Conservation Management Funds, Grant funds, Community Preservation Funds	2010-2013
Establish the Old Colony Railway as a multiuse trail and explore linkage with neighboring communities	OSC, CC, REC, TP, CA	Grant funds	2010-2013

Goal 3, Objective 2: Expand the quantity of access points for canoes and kayaks on the North, South, and Green Harbor Rivers

Action	Responsible Group	Funding Source	Time Frame
Inventory public, easily accessible, sites along the North, South, and Green Harbor Rivers that could be used for boat access	OSC, CC, REC, TP, CA	Grant Funds	2010-2015
Utilize Trails Committee and volunteer groups to build and manage areas determined viable for canoe and kayak access	OSC, CC, REC, TP, CA	Community Preservation Funds, Grant Funds	2010-2015
Explore acquisitions and easements for river access	OSC, CC, REC, TP, CA	Community Preservation Funds, Grant Funds	2010-2015

Goal 3, Objective 3: Improve access to beaches and shorelines for all populations

Action	Responsible Group	Funding Source	Time Frame
Identify existing barriers for mobility impaired citizens to access shorelines	OSC, CC, REC, CA	Grant Funds, Community partnerships and private fund raising	2010-2017
Develop action plans for sites deemed most suitable for ADA compliance	OSC, CC, REC, CA	Grant Funds, Community partnerships and private fund raising, Community Preservation Funds	2010-2017
Seek funding sources and grant opportunities for ADA compliance	OSC, CC, REC, CA	N/A	2010-2017

Goal 3, Objective 4: Increase the availability of indoor and outdoor active recreation opportunities

Action	Responsible Group	Funding Source	Time Frame
Prioritize land acquisitions that are suitable for a new indoor recreation site	REC, OSC, TP, CC	Community Preservation Fund, Grant funds, partner with private sports groups, community fund raising	2010-2013
Prioritize land acquisitions that are suitable for creating playing fields	REC, OSC, TP, CC	Community Preservation Fund, Grant funds, partner with private sports groups, community fund raising	2010-2013
Collaborate with the Council on Aging and ADA Coordinator to determine recreation needs of senior citizens and the mobility challenged	REC, OSC, TP, CC	Grant funds	2010-2013
Assess all recreation sites for ADA compliance	REC, OSC, TP, CC	Grant funds	2010-2013

Goal 3, Objective 5: Increase community gardens and small parks throughout town

Action	Responsible Group	Funding Source	Time Frame
Identify areas within open spaces suitable for community gardens	OSC, REC, AC, CC, TP, CA	N/A 2010-2017	
Pursue land acquisitions in high density areas for use as pocket parks or small gardens	OSC, REC, AC, CC, TP, CA	Community Preservation Funds, Grant Funds	2010-2017

GOAL 4: INCREASE COLLABORATION WITH THE COMMUNITY, TOWN DEPARTMENTS, AND LOCAL CONSERVATION GROUPS TO IMPROVE OPEN SPACE AND RECREATION IN MARSHFIELD

Goal 4, Objective 1: Develop partnerships with organizations to protect and manage Marshfield's natural resources and recreation land

Action	Responsible Group	Funding Source	Time Frame
Encourage communication with town departments and conservation groups by inviting representatives to attend meetings and provide periodic updates	OSC, REC, CC	TBD	2010-2017
Utilize outreach resources such as television, radio, town website, newspaper, and school flyers	OSC, REC, CC	TBD	2010-2017
Participate in local and regional planning efforts to prepare for rising sea levels as they relate to open space acquisitions and conservation to ensure wise allocation of resources	OSC, REC, CC	TBD	2010-2017

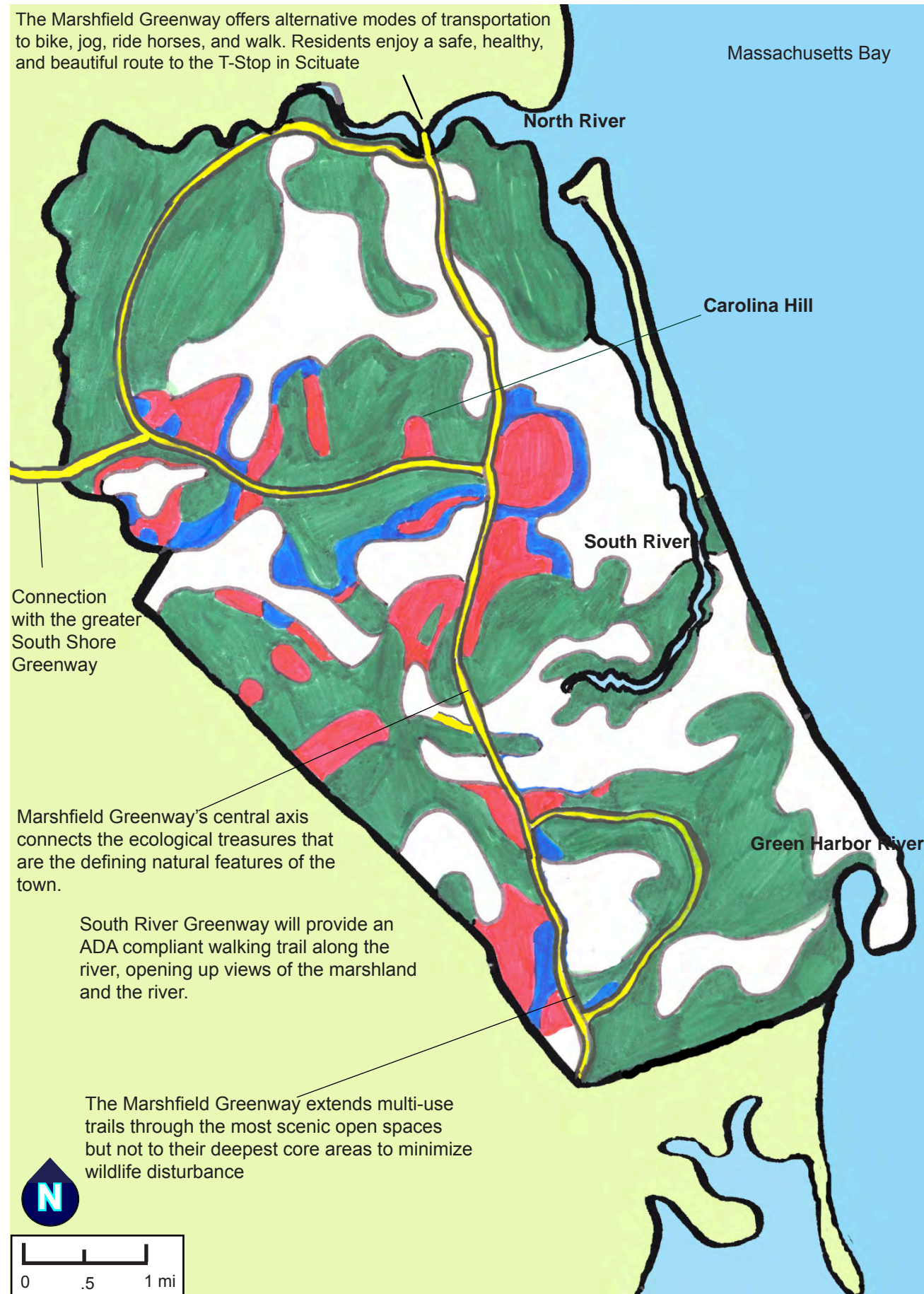
Goal 4, Objective 2: Create public participation in open space management by connecting interest groups

Action	Responsible Group	Funding Source	Time Frame
Organize annual events (such as the national river clean up day), which will increase community's	REC, OSC	TBD	2010-2017

interest in conservation and protection of recreational and natural resources			
Engage with the Marshfield School Department to link learning opportunities regarding environmental science with conservation management and community service projects	REC, OSC, CC, CA	TBD	2010-2017
Engage with local scouting troops to assist in conservation management projects	REC, OSC, CC, CA	TBD	2010-2017

Goal 4, Objective 3: Make recreational opportunity information available to residents

Action	Responsible Group	Funding Source	Time Frame
Map and clearly post signs of existing trails. Include trail map on town website and make information available to the Recreation Department	REC, OSC, CC, CA	TBD	2010-2014
Make available on town website a listing of open spaces available for recreation	REC, OSC, CC	TBD	2010-2014
Publicize current trail recreational work and Open Space Committee meetings	REC, OSC, CC	TBD	2010-2014



Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Conceptual Master Plan for South River Greenway



Residents enjoying biking

Long-Term Protected Open Spaces

- Convergence of water and wildlife protection, and increased connectivity values
- Zone II areas and increased connections
- Open space

Conceptual Long-Term Vision

Marshfield has a long-standing commitment to progressive open space management that is strengthened through long-term goals. This plan imagines a future in which town residents and the landscape flourish.

Enter Marshfield 2050, where greatly expanded open spaces have enhanced scenic areas while the oldest open spaces are continuing to evolve. These areas, due to the town's history of protection and conservation, are now old-growth natural areas, restoring air and water quality. The Marshfield Greenway draws residents to explore and cherish their community. Centrally anchored by the Old Colony Railway, two extensive trail-loops extend northeast to the North River and southeast to the Green Harbor. Another half mile trail extends west from the railway along the South River heading north creating a link to the town center and other small parks nearby, providing new vistas of the South River that were previously hidden from view. The Marshfield Greenway is also linked with the South Shore Greenway Project that is presently underway in Cohasset, Hingham, Hull, Norwell, and Scituate.

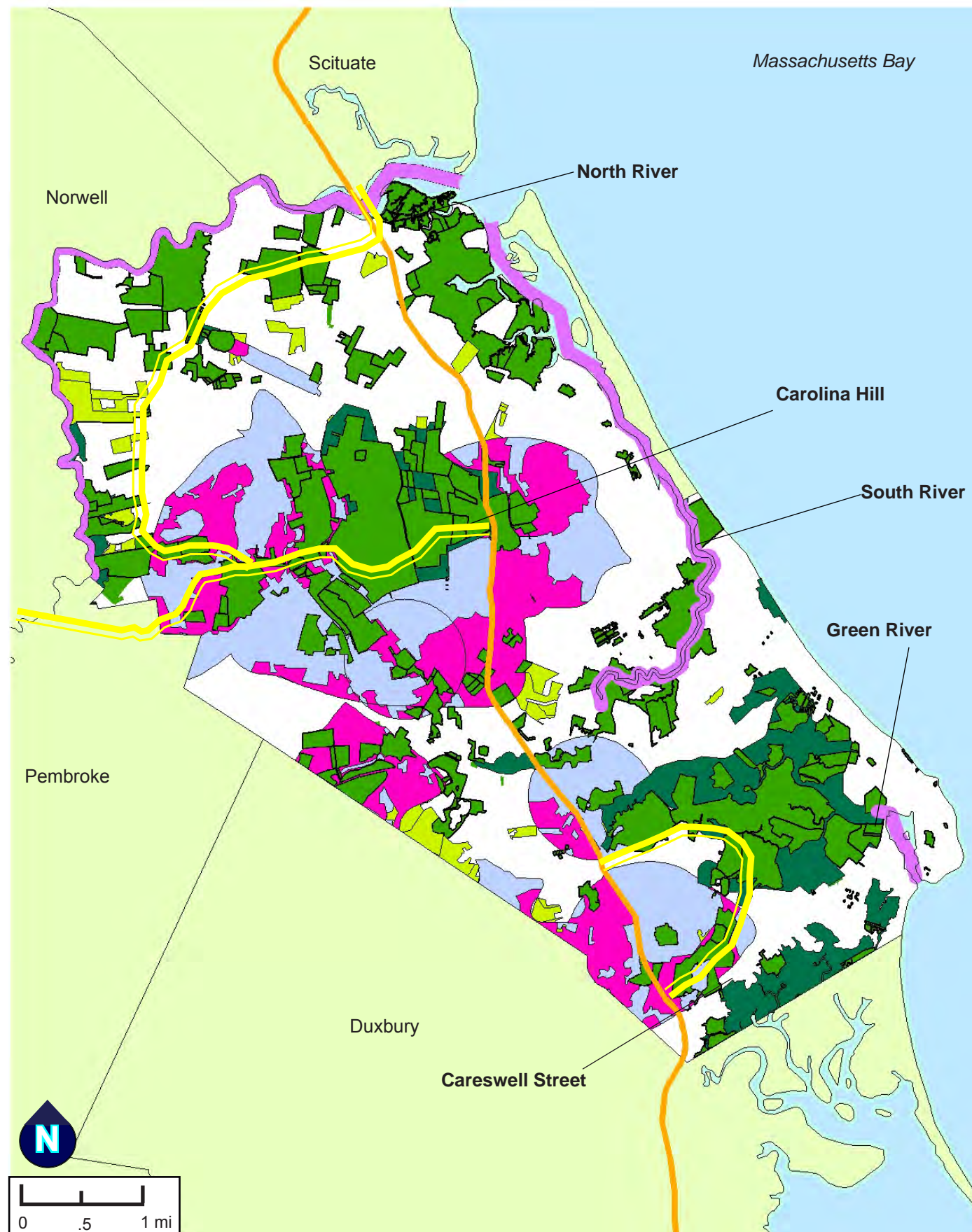
All community members share access to this extraordinary green infrastructure. Recreational opportunities abound for residents to hike, walk, watch birds, enjoy the arts, or simply contemplate. Residents reconnect with nature and with one another, strengthening community and rediscovering the heart of Marshfield.

Town of Marshfield Open Space And Recreation Plan Update

March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

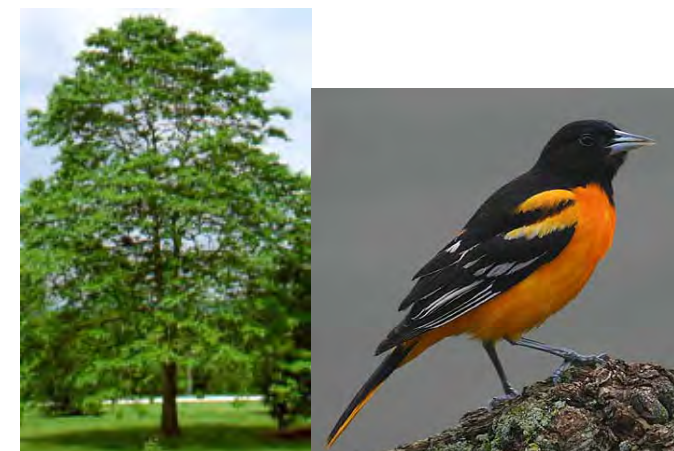
Conway School of Landscape Design
www.cslld.edu



Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs



Scenic wooded trails extend through the Greenway



Sassafras trees are planted throughout the Greenway to help restore degraded environments

- Marshfield Greenway extension trails
- Old Colony Railway
- 300' riparian buffer
- NHESP estimated habitat
- Est. Habitat, Zone II, and Major connections
- Chapter 61 lands
- Zone II aquifer recharge
- Protected lands

Long-Term Vision

The culmination of Marshfield's investment in its open spaces is a network of green infrastructure. The greatest additions by acreage occur along the midwestern edge of town into the interior near Carolina Hill. These are areas where priority community values converge: water, wildlife habitat protection, and increased connectivity. These areas have an added benefit of substantially buffering existing open spaces.

By 2017 the Old Colony Railway is established as the central greenway uniting open spaces along its north-south axis. By 2050 two additional "sub-greenways" radiate from the railway to connect the last remaining, largest, and most significant areas of open space. From Careswell Road in the south, the Marshfield Greenway loops eastward through to the Brant Rock community, Daniel Webster Wildlife Reserve, and back to the central Marshfield Greenway. Its northern counterpart loops predominantly in a westwardly direction from Carolina Hill to the North River and back again to existing protected open space at the mouth of the South River.

Secured riparian buffers along the North, South, and Green Rivers protect these vital waters. Existing legislation in the form of the River Protection Act and new town bylaws are enforced to the full extent of the law. Acquisitions for open space are prioritized for the health, biodiversity, and aquatic ecosystems they protect. These riparian buffers and Zone II areas are focal areas of water conservation and education.

Town of Marshfield Open Space And Recreation Plan Update

March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

Conway School of Landscape Design
www.csls.edu

Seven-Year Action Plan

The seven-year action plan highlights areas of land that encompass the community's priorities: aquifer recharge land, wildlife habitat, and lands that create connections between protected lands for trail opportunities.

Acquiring lands within the recommended open space addition areas (purple-hatched) would simultaneously:

1. Increase protection of drinking water within Zone II
2. Protect important species habitat areas within NHESP designated estimated habitat
3. Create connections between current open spaces

The purple-hatched areas are enlarged on the map to illustrate the number of parcels in each area and their respective land uses. Additional study is necessary to determine the best way to link open spaces within these areas.

The North River is shown here with its 300-foot buffer, a protection granted for its Scenic River status. Within these areas further riparian trail connections can be made.

The pink star is the only undeveloped land along the coastline that is estimated wildlife habitat. Marshfield's identity is through its coastline; any undeveloped land along it that may be protected is important.

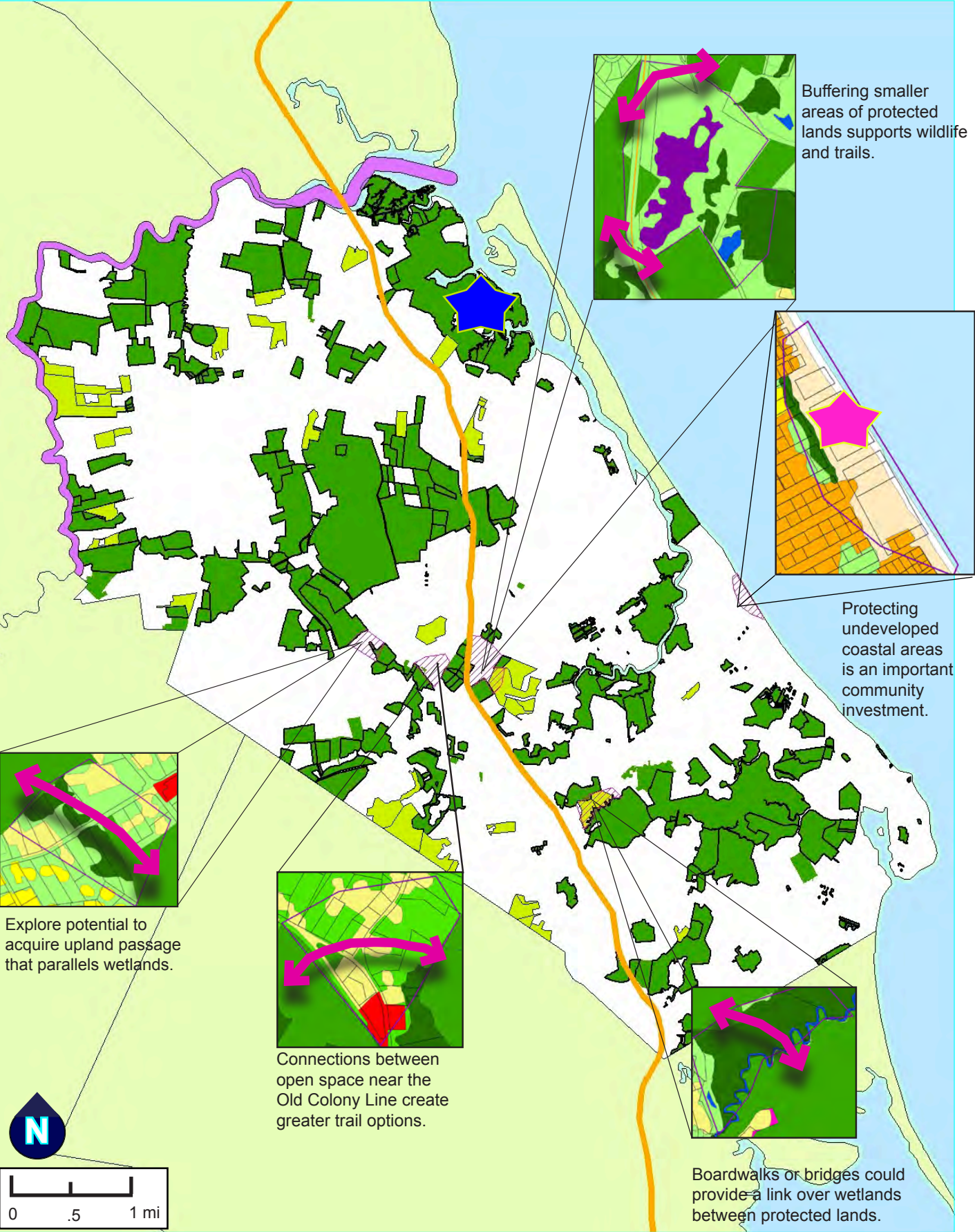
The blue star represents Coast Guard Hill, a recreation site that is a key location for a public canoe and kayak launch, and for an indoor recreational facility.

These new, key connections invite recreational use of town open space throughout the Old Colony Railway. Re-establishing the railway as a multi-use trail effectively connects the residents with Marshfield's open spaces along the trail creating a Greenway. In addition to recreation and alternative transportation opportunities, the Marshfield Greenway establishes vital connectivity for rare and endangered species and for the town with the greater South Shore Greenway Project underway.

Civic and Social Actions:

- Develop a source of funding for land management
- Maintain and create partnerships among agencies, organizations and private landowners for preservation of open space and protection of natural resources such as non-profits and land trusts, private land owners, chapter 61 enrollees, civic and church associations
- Educate and involve residents in management and protection of open space and resources
- Seek other methods beyond open space acquisition to preserve Marshfield's character by guiding future development

- ★ Coastal gem
- ★ Public canoe & kayak access point & Indoor recreation facility
- 300' riparian buffer
- Old Colony Line
- Recommended OS additions
- Riparian buffer
- All Chapter 61 lands
- Protected lands
- Wetland
- Sandy beach
- Water
- Open land
- Multi-family residential
- Low density residential
- Medium density residential
- High density residential
- Commercial
- Industrial



Map Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Energy and Environmental Affairs

Town of Marshfield Open Space And Recreation Plan Update

March 2010

Prepared By:
Annie Cox, Jamieson Scott,
& Jennifer Watkins

Conway School of Landscape Design
www.csl.edu

SECTION 10:

Public Comment



Photo Credits

Left to Right: Jamieson Scott, Laurie Baker, Jamieson Scott



Rocco J. Longo
Town Administrator

Town of Marshfield

Board of Selectmen
870 Moraine Street
Marshfield, Massachusetts 02050
Tel: 781-834-5563 Fax: 781-834-5527

TO: Open Space Committee

FROM: Board of Selectmen

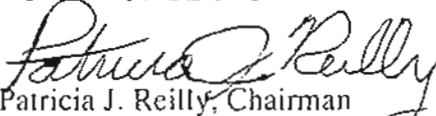
DATE: March 3, 2011

RE: **OPEN SPACE PLAN**

At its meeting of February 28, 2011, the Board of Selectmen voted unanimously to approve and support the goals and objectives as set forth in the 2010 Open Space and Recreation Plan as an accurate depiction of the present open space needs of the residents of the Town of Marshfield.

Thank you for the time and effort you put into compiling this comprehensive plan.

Sincerely,
BOARD OF SELECTMEN


Patricia J. Reilly, Chairman

John E. Hall, Vice Chairman


Matthew J. McDonough, Clerk

Sue



Paul Halkiotis, AICP
Town Planner

Town of Marshfield

Planning Board

870 Moraine Street

Marshfield, Massachusetts 02050-3498

Tel: 781-834-5554 Fax: 781-837-7163

email: phalkiotis@townofmarshfield.org

May 17, 2011

Open Space Committee
Marshfield Town Hall
870 Moraine Street
Marshfield, MA 02050

RE: Open Space and Recreation Plan

Dear Committee Members,

On May 16, 2011 the Marshfield Planning Board accepted the 2010 Open Space and Recreation Plan and unanimously voted to approve and support the goals and objectives as set forth therein as an accurate depiction of the present open space needs of the residents of the Town of Marshfield.

Regards,

Paul Halkiotis, AICP
Marshfield Town Planner

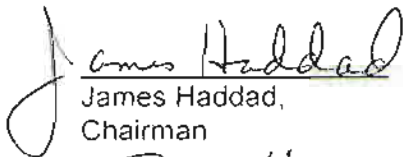


TOWN OF MARSHFIELD
Town Hall, 870 Moraine Street, Marshfield, MA 02050

Open Space Committee
Marshfield Town Hall
870 Moraine Street
Marshfield, MA 02050

Dear Committee Members:

The Marshfield Board of Assessors accepts the 2010 Open Space and Recreation Plan and hereby unanimously votes to approve and support the goals and objectives as set forth therein as an accurate depiction of the present open space needs of the residents of the Town of Marshfield.


James Haddad,
Chairman


Patrick Harring

Jack Cantwell

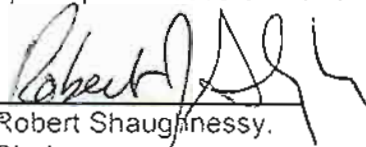


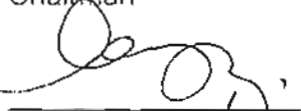
TOWN OF MARSHFIELD
Town Hall, 870 Moraine Street, Marshfield, MA 02050

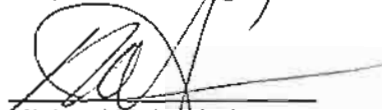
Open Space Committee
Marshfield Town Hall
870 Moraine Street
Marshfield, MA 02050

Dear Committee Members:

The Marshfield Board of Public Works hereby accepts the 2010 Open Space and Recreation Plan and hereby unanimously votes to approve and support the goals and objectives as set forth therein as an accurate depiction of the present open space needs of the residents of the Town of Marshfield.


Robert Shaughnessy,
Chairman


Stephen Hocking


Michael Valenti, Jr.

From: "Zimmer, Jason (MISC)" <jason.zimmer@state.ma.us>
Date: Monday, February 13, 2012 3:38 PM
To: "Wennemer, Jay" <jwennemer@townofmarshfield.org>; "Susan Caron" <Elisastephen@comcast.net>
Subject: comments on Open Space Plan

Hello Jay and Susan! I have finally had a chance to review the plan and offer the following comments:

- 1) Great job, both as a resident of town and in my professional capacity, I am proud of how aggressive and successful the town is in protecting valuable habitats.
- 2) Page 22 – under vernal pools, there should also be mention of mapped potential vernal pools and some effort to evaluate/certify and protect those likely resources.
- 3) Page 23 – there is mention of Carolina Hill being the only undeveloped hilltop in Town. The Town's discussion of "developing" this site with a wind turbine seems to be in direct conflict with this paragraph and, in general, the protection of a scenic landscape.
- 4) General Comments:
 - a. The Town should review and incorporate habitat types and species listed in DFW's State Wildlife Action Plan found here (http://www.mass.gov/dfwele/dfw/habitat/cwcs/cwcs_home.htm)
 - b. The Town makes no mention that I could locate (other than general comments of surface water being important in a general sense) of protecting known and potential coldwater stream resources in Marshfield. I will follow up and provide a map and/or discussion of these resources from my fisheries biologist shortly.
 - c. I would like to see some mention in the document of habitat management (and the potential for habitat management) on existing open space and potential open space acquisitions that could benefit rare or at risk species identified by NHESP or in DFW's State Wildlife Action Plan.
 - d. Lastly, one of the primary objectives of the plan is to increase the availability of outdoor recreation. As tick-borne illnesses (Lyme disease, babesiosis, etc) pose a human health and safety risk on open space and overpopulated deer (now or in the future) are a major concern relative to habitat damage, some consideration at least should be paid for increasing hunting opportunities on open space in the town where appropriate (through new acquisitions or opening existing ones). Hunting is a form of passive outdoor recreation that a number of Marshfield residents enjoy and hunting access is extremely limited in Marshfield.

Jason E. Zimmer

Southeast District Supervisor
[Massachusetts Division of Fisheries and Wildlife](#)
Southeast Wildlife District
195 Bournedale Road
Buzzards Bay, MA 02532
508.759.3406 / 508.759.0381 (fax)

----- Original Message -----

From: [Zimmer, Jason \(MISC\)](#)

To: [Wennemer, Jay](#) ; [Susan Caron](#)

Sent: Tuesday, February 28, 2012 2:12 PM

Subject: map of known coldwater habitats in Marshfield

Hello Jay and Susan: As promised, here is the map compiled by Steve Hurley, my fisheries biologist, showing documented wild eastern brook trout populations (and subsequent coldwater habitats) in Marshfield. This is by no means a complete list of likely coldwater streams in Town. Specifically, we intend to survey Hannah Eames Brook, Bares Brook, a couple tributaries to Cove Creek, tributaries to the South River and Little's Creek and an unnamed stream west of Plain Street and just north of Old Mt. Skirgo Street this year. I will be sure to keep you informed of any results. Take care,

Jason

Jason E. Zimmer

Southeast District Supervisor

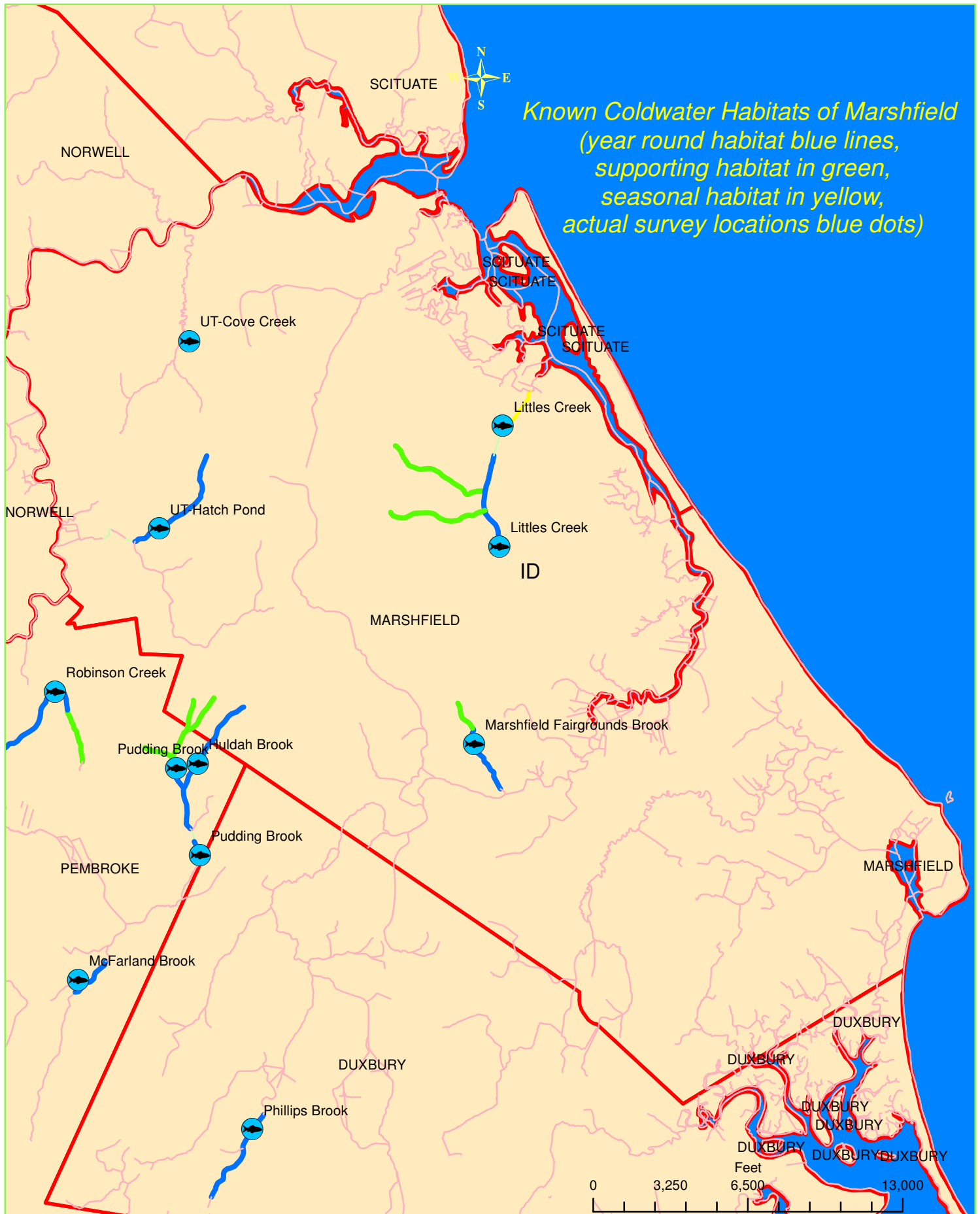
[Massachusetts Division of Fisheries and Wildlife](#)

Southeast Wildlife District

195 Bournedale Road

Buzzards Bay, MA 02532

508.759.3406 / 508.759.0381 (fax)



SECTION 11:

References



Photo Credits
Left to Right: Chris Lewis

11. REFERENCES

The following is a list of references used in preparing this plan:

- Bangs, Ned. Town of Marshfield, Recreation Department
- Bates, Elizabeth. Town of Marshfield, Assessor/Appraiser
- Carney, Otis. Historical Commission Chair
- Caron, Susan. Open Space Committee/Conservation Commission
- Department of Environmental Management: www.state.ma.us/dem
- Department of Fisheries, Wildlife and Environmental Law Enforcement: www.state.ma.us/dfwele
- Department of Environmental Protection: www.state.ma.us/dep
- Department of Food and Agriculture: www.state.ma.us/dfa
- Executive Office of Environmental Protection: www.state.ma.us/envir
- Fiske, Watson, & Coates, "A Study of the Marine Resources in the North River" Developmental Natural Resources, 1996
- Historical Commission, Town of Marshfield
- Historical Society, Town of Marshfield
- Marshfield Conservation/Recreation Open Space Plan, 2004. Prepared by Linda Varraso, Terry Sinclair, Susan Caron, Laurie Baker, Jack Cantwell, John Kyler, Robert Shaughnessy, Rebecca Walsh
- MacCallum, Sue, Director, Mass Audubon South Shore Sanctuaries
- Massachusetts Audubon Society: www.massaudubon.org
- Massachusetts Coastal Zone Management: www.state.ma.us/czm
- Massachusetts Natural Heritage and Endangered Species Program (NHESP): www.mass.gov/dfwele/dfw/nhesp
- Massachusetts statewide Comprehensive Outdoor Recreation Plan (SCORP): www.state.ma.us/envir
- Massachusetts Geographic Information System: www.mass.gov/mgis
- Natural Resources Conservation Service. Plymouth County Soil Survey: www.nesoil.com
- North and South River Watershed Association: www.nsrwa.org
- Open Space Planner's Workbook: www.state.ma.us/envir
- Pina, Antonio, ADA Committee
- Shaughnessy, Robert. Town of Marshfield Board of Public Works
- Wennemer, Jay. Conservation Agent, Town of Marshfield Conservation Commission
- The Wildlands Trust of Southeastern Massachusetts: www.wildlandstrust.org
- The Trustees of Reservation, Massachusetts: www.thetrustees.org
- Town of Marshfield, Community Housing Plan; Karen Sunnarborg, Housing Consultant

SECTION 12:

Appendix

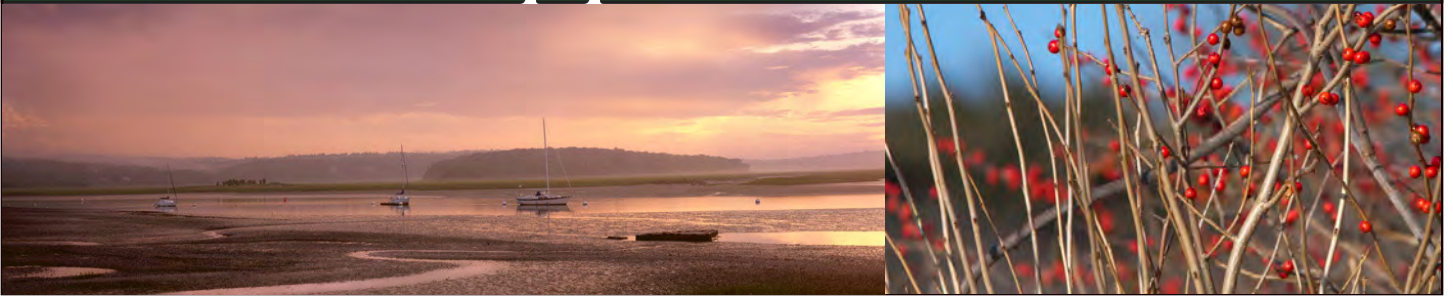


Photo Credits

Left to Right: Mike Sleeper, Jamieson Scott

APPENDICES: INFORMATION FOR TOWN REFERENCE

- A: Potential Grant Sources
- B: Greenways, Wetlands, & Vernal pools
- C: Multi-Use Trail Planning
- D: Recreation Field Planning and Maintenance
- E: Coastal Management
- F: Evaluation of 2004 OSRP Goals
- G: Coastline Changes from 1794-1895
- H: Acquisition Matrix Evaluation
- I: Inventory of Protected Lands
- J: ADA (Americans with Disabilities Act) Self-Evaluation
- K: Public Survey Results

Appendix A: Potential Grant Sources

The following table lists relevant Massachusetts grant programs.

Department of Conservation and Recreation	Department of Environmental Protection
Municipal Seawall Repair	Non-Point Source Pollution
Greenway and Trail Demonstration	Water Quality Management
Historic Curatorship	Water Conservation
Flood Management	Drinking Water Supply Protection
Heritage Tree Care	Municipal Sustainability Grant
Lake and Ponds	Technical Assistance
Mass ReLeaf	Clean Water State Revolving Fund
Volunteer Fire Assistance	
Forest Stewardship Planning	
Forest Viability	Department of Energy Resources
Urban Forest Planning	Energy Audit
Rivers and Harbors	Green Communities
SCA and AmeriCorps Mass Parks	Leading by Example Sustainability Projects
Historic Landscape Preservation Initiative	
Flood Mitigation Assistance	
Hazard Mitigation	
Pre-Disaster Mitigation	
Recreation Trails	
Conservation Trust	
Department of Agricultural Resources	Department of Fish and Game
Agricultural Environmental Enhancement	Land Owner Incentive Program
Agricultural Innovation	Clean Vessel Act
Agricultural Innovation Center's Marketing	Riverways Stream Team Implementation
Agricultural Preservation Restriction	Boating Infrastructure
Farm Viability Enhancement Program	
Executive Office of Energy and Environmental Affairs	
Commonwealth Urban Parks initiative	
Conservation Partnership	
Federal Land and Water Conservation	
Local Acquisitions for Natural Diversity (LAND)	
Parkland Acquisitions & Renovations for Communities	
Massachusetts Environmental Trust	
Coastal Pollution Remediation	
Municipal Sustainability Grant	
Wetland Restoration	

Non Profit and Federal programs also exist, such as: U.S. Fish and Wildlife Service's North American Wetlands Conservation Act, Cooperative Conservation Initiative, and Urban Treaty for Migratory Bird Conservation. Some of these programs provide up to 50% matching funds for restoration and acquisition projects.

Appendix B: Greenways, Wetlands, and Vernal Pools

Greenways:

A greenway is a long, narrow piece of land that cuts through towns reclaiming and linking areas for recreation and conservation purposes. Typically they include bikeways and pedestrian trails but may also include areas restored with native vegetation, community gardens and outlets to pause for reflection. This develops a community's cultural relationship with the open space. Because it is an excellent method for preserving open spaces they're being established around the world with the most notable regional effort underway being the East Coast Green way that stretches from the Canadian border to South Florida. It is possible for Marshfield to link up with this project.



Wetlands:

Saturated lands such as marshes, vernal pools, cranberry bogs, and salt marsh, are all wetlands. They are the most ecologically productive of natural areas and provide vital services. These services include habitat for terrestrial, aerial, and marine species; filtration of contaminants; and storm buffer protection. In storm surges salt marshes have been proven to retain 10,000 gallons of water per acre. It is estimated that to equal the services salt marshes provide in built facilities, Marshfield would need to spend more than ten times the tax dollars as it does on basic open-space protection.

These ecological services are economically vital to protect and provide the basis for sustainable economic activities. Two-thirds of the world's commercial fish species for example nurse in or around salt marshes including anadromous species such as herring. These salt marshes must also be preserved in order to continue filtering important shell fishing zones. Migratory shorebirds depend on tidal flats—the terrestrial area that meets the sea, as do clammers.



Vernal Pools:

According to Massachusetts Natural Heritage and Endangered Species Program, "Vernal pools are unique wildlife habitats best known for the amphibians and invertebrate animals that use them to breed. Vernal pools have other common

names such as 'ephemeral pools' or 'autumnal pools,' and are in woodland areas. They fill with ground water and rainfall from the autumn through spring but typically dry by the midpoint or end of the summer but may last for several years before drying up. This intermittent drying makes it ideal habitat for invertebrates and amphibians because fish cannot predate on their eggs.

Because they are isolated wetlands, not all communities include them in wetland protection regulation. In fact most vernal pools are likely unmapped and that's why all Marshfield residents are encouraged to join a statewide effort of identifying them.

To learn more about the animals found in vernal pools and how to participate in certification please visit Massachusetts Division of Fisheries:

http://www.mass.gov/dfwele/dfw/nhesp/vernal_pools/vernal_pools.htm

Department of Environmental Protection's Southeast Regional Office:

Dan Gilmore,

Chris Ross

20 Riverside Drive

Lakeville, MA 02347

(508) 946-2700

Appendix C: Multi-Use Trail Planning



Marshfield has an incredible resource in their ownership of the Old Colony Railway. Planning is the most essential ingredient in order to capitalize on the benefits of this public right-of-way and connecting the residents with the abundance of open spaces within Marshfield.

Transforming former railroad tracks into a vibrant rail-trail requires technical know-how, support from the community, guidance from experienced trail builders and successful strategies to overcome barriers. The

following resources provide guidance with trail building, management, signage, user group conflicts, and funding sources.

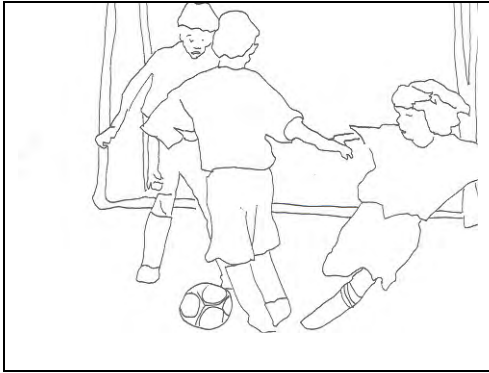
1. Rails to Trails: www.railstotrails.org
2. American Trails: www.americantrails.org
3. National Recreation and Park Association: www.nrpa.org
4. International Mountain Biking Association: www.imba.com

Many multi-use trail systems have been developed within Massachusetts and are also a valuable resource.

1. Town of Amherst Mass: www.amherstma.gov
2. Town of Northampton Mass: www.northamptonma.gov
3. Mass Department of Conservation Vision of Greenways: Mass.gov/dcr/stewardship/stewardship/greenway/pdfs/boston
4. Mass Bicycle Association: www.massbike.org
5. Boston Harbor Association: www.bostonharborwalk.com



Appendix D: Recreation Field Planning and Maintenance



Sports fields are important recreational areas for youth and adult sport leagues. However, the cost of maintenance and use of the land for mere recreation are often controversial in towns. Those who are not interested in sports find no justifiable reason to use tax dollars towards their maintenance and creation, and often agricultural enthusiasts are in competition for the minimally sloped, well-drained land. Marshfield has limited flat land that is not wetlands, and Marshfield's well-drained soils lie above its sole aquifer,

which has implications for the chemical treatment of any ball fields.

There are some useful tools for the town to use to plan for its recreational fields creation and maintenance, including recommendations for maintaining fields without harmful chemicals.

Field planning:

www.sparc.org/nz provides useful tools for calculating field needs.

Green Field Maintenance:

greensportsvenues.com

Sachs, Paul D., *Managing Healthy Sports Fields: A Guide to Using Organic Materials for Low-maintenance and Chemical-free Playing fields*. 2004.

Alternative Fields:

www.airfieldsystems.com

Appendix E: Coastal Community Challenges

Bounded by the Atlantic Ocean to the east, the community of Marshfield is challenged to make the best use of limited land while protecting critical natural resources such as its drinking water, from the potentially damaging effects of growth. As the climate changes, sea levels rise and storms become more severe, well-planned and well-maintained infrastructure is imperative (noaa.gov).

To help coastal communities address the challenges arising from climate change the Massachusetts Office of Coastal Zone Management has been working to provide the state's coastal communities with tools for successful management. Along with technological support these tools include hazard identification and mapping, planning, regulations and development standards, mitigation and shore protection, infrastructure, emergency services, and education and outreach.

State funding sources for completing coastal management projects are listed at mass.gov/czm/stormsmart and federal grants are listed with applications at coastalmanagement.noaa.gov/funding.



Appendix F. Evaluation of 2004 OSRP Goals

Through the collaborative efforts of the Open Space Committee, Conservation Commission, The Department of Public Works , Community Preservation Committee, Board of Selectmen, Planning Board, the voters of Marshfield and local land protection organizations the town has been able to add over 270 acres of protected open space to our conservation inventory.

111.5 Acres of land were acquired for open space in areas that protect Priority Habitats for Rare and Endangered Species, provide buffer to watershed areas, protect wetland resources, preserve historic vistas and an archeological site as well as add contiguous conservation land expanding existing trails for passive recreation while maintaining wildlife corridors. Two acquisitions in this category were approved development sites. Another acquisition was for the redevelopment of a degraded commercial site into an ADA accessible natural park. All of these achievements were made possible through the use of Community Preservation Funds and Grant funding.

84.5 Acres of land were acquired by the Department of Public Works in critical water resource areas. The DPW has been aggressive in identifying and obtaining land within aquifer recharge zones and adjacent to well sites. These land purchases were funded through a combination of DPW funding, Community Preservation Funds and Water Protection Grants. Additionally, a project that identified land within the water protection district for which no owners could be located resulted in eminent domain takings for 2 parcels, with more land still under review with title searches. The Open Space Committee has a similar project to identify open space that may be appropriate for eminent domain taking outside of the water protection district.

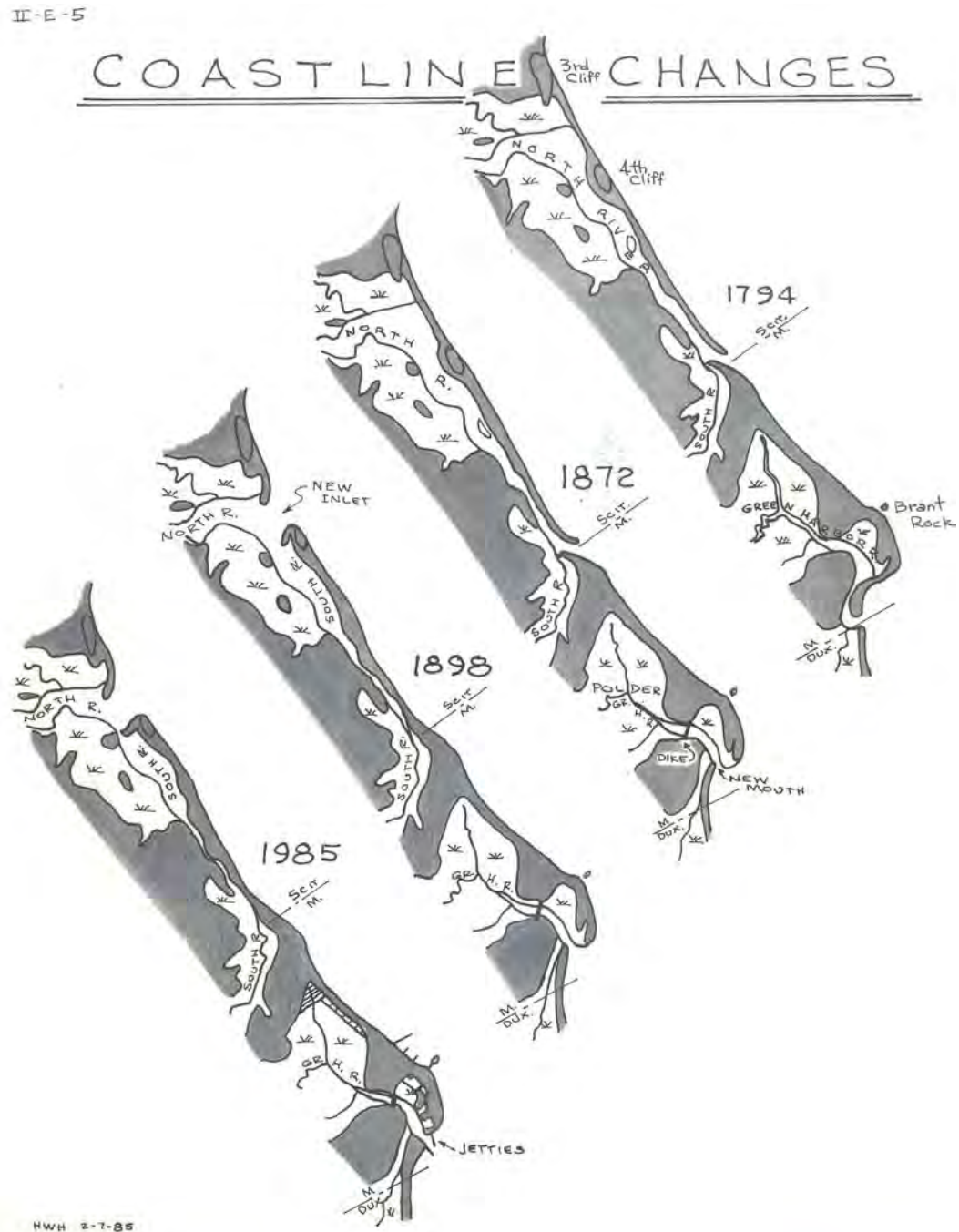
The Massachusetts Audubon South Shore Sanctuaries have added through land donations an additional 39 acres of land for permanent protection and recreation for the community.

Land acquisitions were evaluated using the Land Acquisition Ranking Criteria (Appendix I) . The overriding goal was to acquire land with many overlapping benefits to the community. Many of the acquisitions serve to protect drinking water while additionally preserving valuable wildlife habitats and scenic vistas. Land with mapped Priority Habitat for Endangered Species in many cases also serves to provide for passive recreation and in some cases watershed protection. The town was fortunate to have many properties available that address many of these needs. See Appendix G for a detailed goal evaluation.

Group	Goal	Accomplished	Mostly Accomplished	Partially Accomplished	Actions Taken
OSC	Identify important OS	√			Conducted extensive GIS analysis
	Conserve natural resources		√		Acquired 270 ares of land in areas of overlapping community values
	Protect drinking water		√		Acquired land areas of high aquifer recharge
	Rank OS for acquisition	√			Identified all areas of overlapping community values, link with vision
	Indentify funding sources	√			Researched and created a new database of funding sources
	Assist conservation efforts		√		Assisted landowners with enrollment in Chapter 61 programs
CC	Protect water supply		√		Restriction of development permits
	Develope wildlife corridors			√	Holdings were increased that buffer but do not yet connect with new parcels
	Protect salt marshes			√	No new parcels were acquired in or around salt marshes
	Environmental education			√	Direct, individual outreach but no widespread public campaign
DPW	Expand water sources	√			New wells at Fair Grounds and the Ferry St #2 wells; rehab of the Mt Skirgo well yielding (220gpm) field back on-line
	Protect current sources		√		
	Contamination early warning system			√	Continuing monitoring (various analytical methods) of the wells will predict contamination. As far as early warning system (monitoring wells other than the production well) the DPW has monitoring throughout the various aquifers, which have been and will continue to be accessible if there is a hit of contamination at the production well.
	Protect recharge capacity			√	In review of the various land parcels purchase since 2004, a number of those purchases are to protect the recharge areas. Also, the BPW/DPW and the Planning Board also hired a consultant to revise and update the Planning Board town regulations regarding the water protection district WRPD.
	Educate homeowners re runoff			√	CCR Water Annual Report is sent to every water user to educate the user on areas to protect the water supply. Schools outreach, Town Hall, Marshfield Fairs display for water week.
	Bylaw to enforce against water abuse			√	Town passed a Water Restriction By-law at the Fall STM 2005 providing home-rule to control water abuse is a systematic schedule. The By-law was based on MassDEP's guidance.
	Increase water storage capacity		√		A new 2009 2.0 M gallon tank was constructed at Carolina Hill. The DPW is under design to replace the 0.67M storage tank with a new 2.0 M gallon at Pudding Hill in the next 4 years.
	Increase holdings in areas of flood risk			√	The area in the well fields are not at risk of flooding but wetlands were acquired
Rec	Access additional grant funding	√			Marshfield Cultural council, (summer concerts), Edwin Phillips Foundtion (special needs programming)
	Continue building partnerships	√			Excellent progress working with civic groups, and private sector towards capital investments
	Expand programing space	√			Moved to Coast Guard Hill, created raised gardens and rain gardens, building community garden
	Increase programing interest	√			Released new website that's reguarly updated and makes enrollment more convenient
	Increase staff			√	Plan to hire additional program staff underway
	Meet afterschool programing demand		√		Program demand still exceeds programmatic resources but there is notable progress
	Better utilize and upgrade all holdings		√		Advanced progress made at Coast Guard Hill facility
	New, self-supporting programs			√	School year pre school programs - ice skating, cooking, soccer, crafts, skiing Litle Tykes, Music, Older kids - horseback riding clinc, Skateboard lesons, middle school wrestling; Summer volleyball, field hockey, and rugby clinics, kayak lessons, summermiddle school video class Tennis, Sailing, Cooking; classes for high school and adults, Dog training, theatre, art Kids night Out, Indoor rockclimbign for kids and adults, Fencing - kids and adults, Kids Fitness (before school fitness program), Guitar workshop (youth and adults, volleyball Stars - middle school, BabySitting trailign program (middle School) Archery, youth and adult, Flag Football, Badminton -teen and adult, Cardio Tennis - adult, Adult Basketball etc
	Better utiilize, preserve beaches	√			Annual Town Sand Castle / Sculpture contest, Summer playground outings to the beach, annual Beach Clean Up, and collaborations with the Beach Commission

Appendix G: Coastline Changes From 1794 to 1985

Map H.1 Coastline Changes from 1794 to 1985 (Marshfield OSRP 1985).

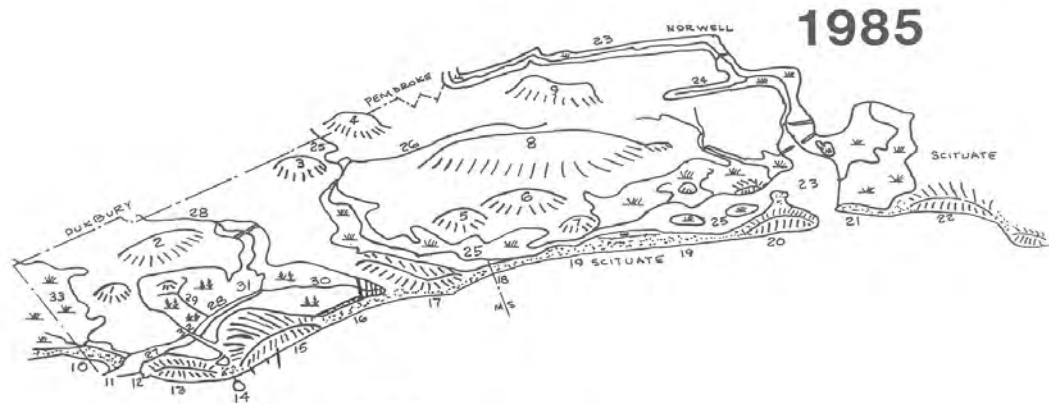
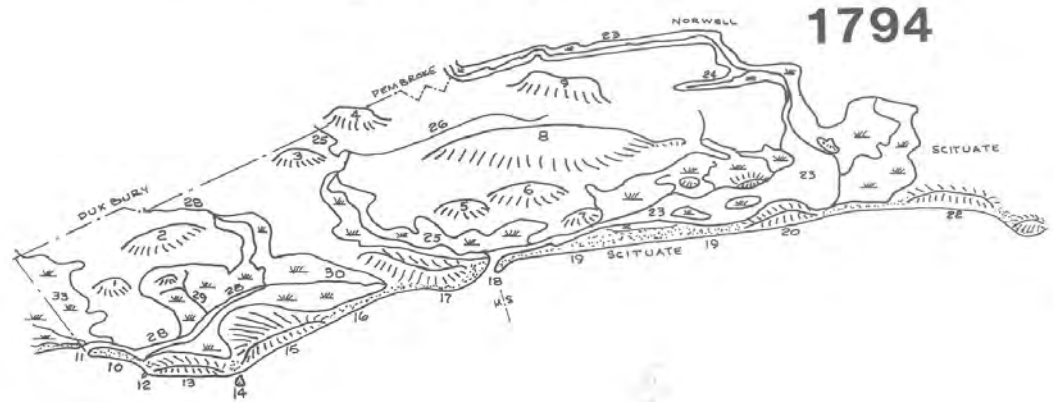


Coastlines are perpetually shifting into different configurations. Over the course of Marshfield's incorporated history its coastline experienced dramatic changes and naturally they will continue to, especially as climate changes. Other towns have had success implementing coastal management policies, for example, that disallow rebuilding properties majorly affected by storms, or more equitably distribute coastal armoring costs freeing up tax dollars and open spaces.

Map H.2 Marshfield Landscape Then & Now 1794-1985 (Marshfield OSRP 1985).

II-C-5

MARSHFIELD LANDSCAPE — THEN & NOW —



LEGEND

Hills:

1. Gotham Hill
2. Black Mount
3. Pudding Hill
4. Mt. Skirgo
5. Telegraph Hill
6. Holly Hill
7. Ferry Hill
8. Carolina Hill
9. Marshfield Hills

Coastal Features:

10. Green Harbor Beach
11. Mouth Green Harbor River
12. Bluefish Point
13. Blackman's Point
14. Brant Rock
15. Ocean Bluffs
16. Sunrise Beach

17. Rextame
18. Rextame Town Beach (old mouth)
19. Humarock Beach
20. 4th Cliff
21. 3rd Cliff Beach and Sandspit
22. 3rd Cliff

Rivers and Miscellaneous:

23. North River
24. Cove Creek
25. South River
26. Furnace Brook
27. Green Harbor
28. Green Harbor River
29. Wharf Creek
30. Bass Creek
31. Polder
32. Dike
33. Duxbury Marsh

HWH 2-22-85

Appendix H: Acquisition Matrix Evaluation

Evaluation of Acquisition Matrix and Explanation of 7-Year Action Map/Long-term Vision Map Process

The acquisition matrix derives a parcel's numeric value of conservation importance through a strict formula. It is a useful tool and should be understandable and easily utilized by the community. The Conservation Commission will address this by adding an explanation of the assigned weighted-value of each category and instructions for how to use the matrix.

The 7-Year Action Map and Long-term Vision Maps are a result of layered Mass-GIS analyses and synthesis with stated community values. All maps included in this report and their findings were instrumental; however, because Marshfield has consistently advocated for greater protection of water-quality and wildlife habitat, as well as connectivity between open spaces the following maps were digitally combined to reveal geographic areas of overlapping values: subsurface water, wildlife and plant life, and inventory of open spaces. For example, where aquifer recharge areas overlapped with both NHESP core habitat and provided links between conserved parcels, they are automatically considered a priority for acquisition. If only two of the aforementioned values overlapped they are considered secondarily.

The strength of the existing acquisition matrix is its ability to rank potential acquisitions with an exact number while the Action and Long-term Vision Maps graphically and geographically depict exactly where community goals coincide. In theory either model should come to the same conclusion regarding a parcel's ranking for acquisition. The town should begin utilizing both to see where they complement each other or yield different results.



**Town of Marshfield
Open Space Committee
Land Acquisition Ranking Criteria Framework**

Catg'y Weight (1)	Sub Catg'y Weight (2)	Element of Review	Circle Choice (3)	Score (2 x 3)
13		I. General		
	3	A. Size – size of the parcel		
		a. very small – less than 1.5 acres	0	_____
		b. small – 1.5 to 5 acres	1	_____
		c. medium – 5 to 20 acres	2	_____
		d. large – 20 – 50 acres	3	_____
		e. very large – over 50 acres	4	_____
	5	B. “under the gun”: Parcel that is facing Imminent development		
		a. not very desirable	0	_____
		b. no current interest	1	_____
		c. some interest expressed recently or conservation restriction timeline end date approaching	2	_____
		d. likely major development site	3	_____
		e. major development site discussed/proposed	4	_____
	5	C. Funding Sources		
		a. Town only funding source (e.g., CPA fund, Conservation fund)	0	_____
		b. Mixture of town and private funds	1	_____
		c. Mixture of town and state matching funds	2	_____
		d. All non-town funds	3	_____
		e. Donated land	4	_____
40		II. Water Resource Protection		
	20	A. Well Head Protection		
		a. No potential for well head protection	0	_____
		b. Land within Zone III of a potential source	1	_____
		c. Land within Zone III of an existing source	2	_____
		d. Land within Zone I or Zone II of a potential source	3	_____
		e. Land within Zone I or Zone II of an existing source	4	_____
	20	B. Significant Water Resources – The four important water resource types are: Streams and rivers, Aquifers and aquifer recharge areas, Wetlands hydraulically connected to streams and rivers, Open bodies of water such as lakes and ponds		
		a. Greater than 1 mile from significant water resource area	0	_____
		b. 0.5 to 1 mile from significant water resource area	1	_____
		c. Less than 0.5 miles from significant water resource area	2	_____
		d. Abuts significant water resource area	3	_____
		e. Contains significant water resource area	4	_____
20		III. Conservation		
	5	A. Linkage: Emphasis on enlarging and connecting existing conservation area		
		a. Does not extend or link any protected properties or properties earmarked for protection	0	_____
		b. Links, via trail easement or narrow strip of land, at least two protected properties earmarked for protection, but does not meaningfully extend acreage, wildlife habitat, etc.	1	_____
		c. Extends at least 1 protected property or property earmarked for protection	2	_____
		d. Extends and links at least two protected properties or properties earmarked for protection	3	_____
		e. Provides the only extension and link of at least two protected properties or properties earmarked for protection	4	_____
	3	B. Accessibility: Emphasis on multiple access points		
		a. Public access blocked by either private property and/or wetlands	0	_____
		b. Accessible only via trail easement through private property	1	_____
		c. Accessible only via accessible abutting property	2	_____
		d. Accessible only via its own road frontage	3	_____
		e. Accessible via at least two of the access routes described in c and/or d	4	_____
	7	C. Wildlife Habitat – The three important wildlife habitat factors for the ranking are: Number of different habitats, Presence of rare habitats such as bogs, old growth forest, Presence of endangered species		
		a. One or two habitats, both of which are common	0	_____
		b. Several different common habitats	1	_____
		c. Large number of different habitats	2	_____
		d. Endangered or rare species documented in abutting parcels	3	_____
		e. Presence of endangered species or rare habitats or a large number of different habitats	4	_____
	3	D. Scenic Value or Unique Land Forms (e.g., a hill top, a glacial landform such as an esker, drumlin, moraine, cliff)		
		a. No scenic views to, from, across, or within parcel and no unique land forms	0	_____
		b. Scenic view within or across parcel only	1	_____
		c. Scenic view from parcel only	2	_____
		d. Scenic views of parcel from major town road and either b or c above	3	_____
		e. Scenic views b, c and from a major town road or contains a unique land form	4	_____

Catg'y Weight (1)	Sub Catg'y Weight (2)	Element of Review	Circle Choice (3)	Score (2 x 3)
	2	E. Agriculture – The ability to grow flowers, fruits, vegetables or other crops		
		a. Little or no agricultural value	0	_____
		b. Prime agricultural soils are present	1	_____
		c. The parcel was farmed actively in the last 6 years	2	_____
		d. The parcel was farmed actively in the last 3 years	3	_____
		e. The parcel is currently an active farm	4	_____
7		IV. Historical Significance		
	4	A. Potential Historical Significance – the presence of items or areas of historical significance.		
		a. No historically significant items or locations identified	0	_____
		b. Adjoins historically significant parcel or locations where historically significant items have been documented	1	_____
		c. Minimal historically significant items or locations identified	2	_____
		d. Several historically significant items or locations documented	3	_____
		e. Potential National Historical Landmark	4	_____
	3	B. Potential Archaeological Resources		
		a. none	0	_____
		b. some	1	_____
		c. significant or good	2	_____
		d. very good	3	_____
		e. excellent or very high	4	_____
20		V. Recreational		
	5	A. Passive Recreation – Suitability for such activities as walking, hiking, horseback riding, cross country skiing, picnic areas, bicycle trails, etc.		
		a. Not a suitable size	0	_____
		b. Small parcel (1-5 acres) limited accessibility	1	_____
		c. 1-5 acre parcel accessible to water	2	_____
		d. Large (15+ acres) parcel	3	_____
		e. Contiguous to existing Conservation land	4	_____
	15	B. Active Recreation – Suitability for such activities as rec facility, ball field, play field		
		a. Less than 1/2 acre or inaccessible	0	_____
		b. 1/2 acre with accessibility	1	_____
		c. 1+ acres with some accessibility	2	_____
		d. 3+ acres with limited accessibility	3	_____
		e. 5+ acres, minimal excavation and accessible to utilities	4	_____
100	100			

With that said, we will work diligently with both the housing boards and DPW when assessing parcels to ensure that the town does not get into situations where it is at odds with itself. Ultimately, the people of town meeting will determine the use of the land through the voting process after hearing the information presented by all interested parties.

[illegible]

Appendix I: Inventory of Protected Lands

Land in Chapter 61

Chapter 61: Forestry Lands		
Parcel ID	Site Name	Acreage in Chapter 61
B13-01-14A	UNION STREET	10.00
D17-01-02A	HIGHLAND STREET	21.03
D17-01-21	HIGHLAND STREET	21.23
D18-02-06	MAIN STREET	14.50
F06-01-02	PUDDING HILL LANE OFF	35.75
F07-02-02A	345 OLD OCEAN STREET	20.05
F19-01-10C	824 SUMMER STREET	15.10
G11-01-01A	FERRY STREET	20.30
H04-01-08	MORAINÉ STREET	5.46
H05-01-22	MORAINÉ STREET	2.20
H05-01-23	MORAINÉ STREET	17.80
H06-02-37	MORAINÉ STREET	13.61
J04-03-54D	0 PILGRIM TRAIL	10.22
Total CH 61 Forest Land		207.25

Chapter 61 A: Agriculture Lands		
Parcel ID	Site Name	Acreage in Chapter 61
A16-01-09	299 CORN HILL LANE	17.00
B13-01-10	481 UNION STREET	7.00
B15-01-02	807 UNION STREET	58.00
B15-01-20	713 UNION STREET	4.00
B15-01-25	UNION STREET REAR	2.00
B16-01-15	871 UNION STREET	11.95
B16-01-22A	UNION STREET	14.53
B16-02-04	904 UNION STREET	5.75
C11-02-09	80 UNION STREET	6.00
E15-03-03A	1410 MAIN STREET	13.23
F15-02-12	175R PLEASANT STREET	11.53
G06-01-20A	101 BAKERS LANE	29.00
G15-05-18A	93 SUMMER STREET	22.00
G15-05-21	SUMMER STREET	3.89
G16-08-28A	90 SUMMER STREET	0.52
G17-02-16A	316 SUMMER STREET	14.85
H04-01-04	321 MORAINÉ STREET	7.25

H09-02-02A	SOUTH RIVER STREET	38.89
H09-02-08	371 SOUTH RIVER STREET	10.19
H09-02-14	SOUTH RIVER STREET	7.32
H10-02-03	SOUTH RIVER STREET REAR	19.50
H16-01-38	3 CEDAR ACRES ROAD	1.00
Total CH 61 Agriculture Lands		305.40

Chapter 61 B: Recreation Lands		
Parcel ID	Site Name	Acreage in Chapter 61
G05-01-01	ACORN STREET	4.17
I06-05-13A	624 WEBSTER STREET	146.84
I07-05-11	Webster Street	15.00
Total CH 61 Recreation Lands		166.01

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
B18-03-09	Union Street Woodland	40.62	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
A17-01-04	Cornhill Woodland	40.42	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B17-01-15	Cornhill Woodland	60.18	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B17-01-15	Cornhill Woodland	20	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B17-01-15	Cornhill Woodland	2.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
								R1	P
A14-01-01	Mounces Meadow & Blueberry Island	18	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B13-01-11	Mounces Meadow & Blueberry Island	26.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B13-01-12	Mounces Meadow & Blueberry Island	5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B15-01-02	Mounces Meadow & Blueberry Island	1.83	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C14-01-68	Mounces Meadow & Blueberry Island	12.34	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B15-02-01	Oak Street Woodland	1.08	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B16-02-07	Oak Street Woodland	1.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B16-02-08	Oak Street Woodland	1.35	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-07	Oak Street Woodland	6.6	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-07	Oak Street Woodland	10.75	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-13	Oak Street Woodland	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-14	Oak Street Woodland	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-17	Oak Street Woodland	6.86	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-02-09	Oak Street Woodland	1.09	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-02-10	Oak Street Woodland	1.35	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-02-11	Oak Street Woodland	1.22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-02-12	Oak Street Woodland	7.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D16-01-10	Oak Street Woodland	1.12	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D16-01-11	Oak Street Woodland	1.32	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D16-02-13	Oak Street Woodland	2.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D16-02-15	Oak Street Woodland	1.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D16-02-42	Oak Street Woodland	1.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C18-01-01	Highland Street Field	4.77	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B19-03-09	Brooks-Tilden Shipyard	14.77	Marshfield Conservation	Conservation	Yes	Part	Passive	R1	P
D12-02-03	Furnace Brook Watershed	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D14-05-07	Furnace Brook Watershed	8.9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D14-05-07	Furnace Brook Watershed	22.34	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D14-05-07	Furnace Brook Watershed	4.21	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D15-03-33	Furnace Brook Watershed	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D15-03-33	Furnace Brook Watershed	10.56	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D15-03-33	Furnace Brook Watershed	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D15-03-33	Furnace Brook Watershed	4.88	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E11-03-02	Furnace Brook Watershed	33	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	0.03	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	24.34	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	1.19	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	6.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	8.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	6.26	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
E12-01-01	Furnace Brook Watershed	1.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	14.36	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	6.44	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	35.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-01-01	Furnace Brook Watershed	3.85	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-02-01	Furnace Brook Watershed	3.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-01	Furnace Brook Watershed	1.68	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	1.26	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	0.56	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	7.6	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	1.95	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	7.2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	2.35	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	4.79	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-05-04	Furnace Brook Watershed	4.91	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-06-02	Furnace Brook Watershed	0.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E13-01-06	Furnace Brook Watershed	1.19	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E13-03-01	Furnace Brook Watershed	0.24	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E14-01-07	Furnace Brook Watershed	9.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F08-07-03	Furnace Brook Watershed	0.52	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F09-03-01	Furnace Brook Watershed	3.58	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F09-03-16	Furnace Brook Watershed	3.02	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F09-03-66	Furnace Brook Watershed	2.62	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-14	Furnace Brook Watershed	1.26	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-17	Furnace Brook Watershed	0.38	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-47	Furnace Brook Watershed	0.62	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-51	Furnace Brook Watershed	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-52	Furnace Brook Watershed	6.38	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F10-03-53	Furnace Brook Watershed	6.36	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G08-02-06	Furnace Brook Watershed	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G09-01-13	Furnace Brook Watershed	1.37	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G09-01-19	Furnace Brook Watershed	5.34	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G09-01-19	Furnace Brook Watershed	10.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G10-02-01	Furnace Brook Watershed	0.53	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E12-03-06	Carolina Hill Reservation	6.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E15-03-06	Carolina Hill Reservation	4.13	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E15-03-11	Carolina Hill Reservation	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	2.01	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	10.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	10.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	19.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	4.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	10.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	2.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	15.89	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	10.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	10.02	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	1.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P

Land Managed by Town of Marshfield Conservation Dept.

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Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
F12-01-02	Carolina Hill Reservation	4.25	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F12-01-02	Carolina Hill Reservation	4.45	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F13-02-01	Carolina Hill Reservation	110.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F14-02-02	Carolina Hill Reservation	8.94	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F14-02-05	Carolina Hill Reservation	4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F14-02-06	Carolina Hill Reservation	4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F14-02-08	Carolina Hill Reservation	6.7	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F14-02-10	Carolina Hill Reservation	7.7	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F15-02-10	Carolina Hill Reservation	13.6	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F15-02-11	Carolina Hill Reservation	36.9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G13-01-03	Carolina Hill Reservation	9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	10	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	5.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	6.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	27.27	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-08	Carolina Hill Reservation	4.62	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-09	Carolina Hill Reservation	20	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-10	Carolina Hill Reservation	6.2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G14-01-19	Carolina Hill Reservation	1.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G15-01-19	Carolina Hill Reservation	ROW	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G15-05-15	Carolina Hill Reservation	6.83	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G15-05-20	Carolina Hill Reservation	1.2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G16-01-07	Carolina Hill Reservation	9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-01	Silver Pines Lots	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-04	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-05	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-08	Silver Pines Lots	0.22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-13	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-01-14	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-02-01	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-02-06	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-03-04	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-04-01	Silver Pines Lots	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-02	Silver Pines Lots	0.22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-03	Silver Pines Lots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-05	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-06	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-07	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-06-12	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-01	Silver Pines Lots	0.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-02	Silver Pines Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-03	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-04	Silver Pines Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-05	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-09	Silver Pines Lots	0.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-13	Silver Pines Lots	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-14	Silver Pines Lots	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
G12-08-15	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-17	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-18	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-19	Silver Pines Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-08-20	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-09-02	Silver Pines Lots	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-09-14	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-09-15	Silver Pines Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-01	Silver Pines Lots	0.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-02	Silver Pines Lots	0.38	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-03	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-04	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-05	Silver Pines Lots	0.05	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-07	Silver Pines Lots	0.38	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-10	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-10-11	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-11-01	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-11-02	Silver Pines Lots	0.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-11-03	Silver Pines Lots	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-11-08	Silver Pines Lots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-11-11	Silver Pines Lots	0.04	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-12-01	Silver Pines Lots	0.13	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-02	Silver Pines Lots	0.25	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-04	Silver Pines Lots	0.06	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-05	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-06	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-07	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-22-08	Silver Pines Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
K05-01-32	Webster's Wilderness	90.89	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
K06-02-05	Webster's Wilderness	37.5	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
K09-03-05	Bass Creek Marshes	4.6	Marshfield Conservation	Conservation	Yes	No	Passive	R3W	P
K09-03-08	Bass Creek Marshes	0.56	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-13-11	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-13-14	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-14-02	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-14-03	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-14-24	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-14-25	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-15-15	Bass Creek Marshes	0.22	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-16-06	Bass Creek Marshes	3.07	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-17-05	Bass Creek Marshes	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-19-11	Bass Creek Marshes	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-19-20	Bass Creek Marshes	0.3	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-19-24	Bass Creek Marshes	0.2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-19-28	Bass Creek Marshes	0.1	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-19-29	Bass Creek Marshes	0.79	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K11-19-03	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K11-19-08	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
L09-01-03	Bass Creek Marshes	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
L09-01-04	Bass Creek Marshes	0.15	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
L09-01-05	Bass Creek Marshes	0.34	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-06	Bass Creek Marshes	2.2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-07	Bass Creek Marshes	2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-08	Bass Creek Marshes	0.37	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-10	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-11	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-13	Bass Creek Marshes	0.56	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-15	Bass Creek Marshes	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-16	Bass Creek Marshes	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-17	Bass Creek Marshes	0.1	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-19	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-20	Bass Creek Marshes	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-22	Bass Creek Marshes	0.8	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-24	Bass Creek Marshes	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-25	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-28	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-44	Bass Creek Marshes	0.13	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-01-46	Bass Creek Marshes	0.13	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-03-01	Bass Creek Marshes	4.1	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-03-02	Bass Creek Marshes	0.13	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-04-01	Bass Creek Marshes	3.6	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-05-04	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-05-07	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	B3	P
L09-05-08	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	B3	P
L09-06-06	Bass Creek Marshes	0.36	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-06-07	Bass Creek Marshes	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-07-01	Bass Creek Marshes	1.1	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-07-05	Bass Creek Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-10-01	Bass Creek Marshes	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-10-18	Bass Creek Marshes	0.26	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-10-19	Bass Creek Marshes	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-10-20	Bass Creek Marshes	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-10-21	Bass Creek Marshes	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-11-05	Bass Creek Marshes	2.2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L09-12-03	Bass Creek Marshes	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L10-08-15	Bass Creek Marshes	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	B3	P
L10-08-16	Bass Creek Marshes	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
L08-01-03	West Brook Meadow	27.9	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L08-01-25	West Brook Meadow	0.03	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M08-02-10	West Brook Meadow	2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M08-02-12	West Brook Meadow	4.2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K07-01-01	Wharf Creek Woodland	18.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
K08-03-02	Wharf Creek Woodland	6.86	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
L05-31-27	Wharf Creek Woodland	4.1	Marshfield Conservation	Conservation	Yes	No	Passive	R3&A	P
L05-31-28	Wharf Creek Woodland	0.24	Marshfield Conservation	Conservation	Yes	No	Passive	R1&3	P
L05-31-30	Wharf Creek Woodland	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R1&3	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
L06-02-05	Wharf Creek Woodland	60	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
L06-02-06	Wharf Creek Woodland	ROW	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
L07-01-01	Wharf Creek Woodland	3.65	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M06-01-09	Wharf Creek Woodland	6.4	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M06-01-10	Wharf Creek Woodland	20	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M06-01-11	Wharf Creek Woodland	2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M06-01-14	Wharf Creek Woodland	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
N05-04-02	Brant Rock Marshes	0.16	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N05-05-01	Brant Rock Marshes	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N05-05-04	Brant Rock Marshes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N05-05-05	Brant Rock Marshes	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N05-06-04	Brant Rock Marshes	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N06-03-27	Brant Rock Marshes	4.9	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
N06-06-40	Brant Rock Marshes	0.92	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
H08-02-21	South river Marsh	7.86	Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
H08-02-22	South river Marsh		Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
H08-02-23	South river Marsh		Marshfield Conservation	Conservation	Yes	No	Passive	TBD	P
H08-04-13	South river Marsh	29.2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H09-03-03	South river Marsh	2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I09-01-01	South river Marsh	7.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1&A	P
I09-02-25	South river Marsh	50	Marshfield Conservation	Conservation	Yes	No	Passive	A	P
I14-03-02	South river Marsh	4.31	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I14-05-13	South river Marsh	0.29	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I14-05-14	South river Marsh	1.3	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I14-05-15	South river Marsh	3.9	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I15-11-27	South river Marsh	1.52	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I15-16-03	South river Marsh	0.17	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I15-22-01	South river Marsh	2.9	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
J11-01-44	South river Marsh	69.87	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-62	South river Marsh	6.5	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J12-03-02	South river Marsh	23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
K12-07-11	South river Marsh	0.08	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
I10-02-01	Shearwater Marsh	0.47	Marshfield Conservation	Conservation	Yes	No	Passive	1W&R2	P
I10-03-13	Shearwater Marsh	1.2	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I10-03-61	Shearwater Marsh	13	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-07-15	Shearwater Marsh	2.9	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J09-01-01	Bourne Island & Marsh	41	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J09-01-02	Bourne Island & Marsh	16.6	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-10-01	Bourne Island & Marsh	16.7	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J09-01-22	Bourne Island & Marsh	6.8	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
M04-07-01	Cut River Meadow	2.9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
M04-08-02	Cut River Meadow	1.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
M04-09-04	Cut River Meadow	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
M04-10-05	Cut River Meadow	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
M05-05-29	Cut River Meadow	18	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
M05-05-99	Cut River Meadow	2.09	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-53	Cut River Meadow	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-54	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-55	Cut River Meadow	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-56	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-57	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-58	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-90	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-91	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-92	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-93	Cut River Meadow	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
J02-04-01	Duxbury Marsh	4.5	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L03-01-02	Duxbury Marsh	45	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L03-01-05	Duxbury Marsh	15	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L03-01-06	Duxbury Marsh	8.7	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L04-01-32	Duxbury Marsh	0.77	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L04-01-58	Duxbury Marsh	11.13	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
F18-03-19	North & South River Estuary	7.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F18-03-20	North & South River Estuary	6.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F19-03-02	North & South River Estuary	6	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F20-01-19	North & South River Estuary	4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G17-02-17	North & South River Estuary	4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I16-15-03	North & South River Estuary	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C17-01-07	Cove Creek Nature Area	1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C17-01-08	Cove Creek Nature Area	1.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H16-06-09	Ferry Hill Thicket	5.81	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G10-04-17	Wildcat Woodland	4.86	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G10-04-18	Wildcat Woodland	1.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G10-04-19	Wildcat Woodland	0.41	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H10-01-01	Wildcat Woodland	4.16	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H11-01-01	Wildcat Woodland	4.14	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H11-01-04	Wildcat Woodland	0.43	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H11-05-03	Wildcat Woodland	0.16	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H09-01-01	Taylor Fund Woodland	5.01	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H10-02-02	Taylor Fund Woodland	5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F08-02-03	John F. Veader Memorial Forest	12.74	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E08-01-05	Drake-Powell Memorial Forest	4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I10-03-49	Kent Park Woodlots	0.05	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I10-05-06	Kent Park Woodlots	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I10-05-07	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I10-05-09	Kent Park Woodlots	0.32	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
I11-02-04	Kent Park Woodlots	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-02-06	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-07-03	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-08-07	Kent Park Woodlots	0.41	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-09-07	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-02	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-04	Kent Park Woodlots	0.28	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-05	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-07	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-09	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-10	Kent Park Woodlots	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-11	Kent Park Woodlots	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-10-13	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-19-03	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-19-06	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-22-08	Kent Park Woodlots	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-03	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-05	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-06	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-07	Kent Park Woodlots	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-09	Kent Park Woodlots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-23-10	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-24-10	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-24-11	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-26-01	Kent Park Woodlots	0.25	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-26-03	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I11-26-08	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-02-01	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-02-02	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-02-03	Kent Park Woodlots	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-03-05	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-06-02	Kent Park Woodlots	0.05	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-06-05	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-06-07	Kent Park Woodlots	0.14	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-13	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-22	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-28	Kent Park Woodlots	0.37	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-41	Kent Park Woodlots	0.37	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-43	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-45	Kent Park Woodlots	0.33	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-48	Kent Park Woodlots	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-50	Kent Park Woodlots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-56	Kent Park Woodlots	0.07	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-60	Kent Park Woodlots	0.05	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-01-63	Kent Park Woodlots	0.28	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-02-06	Kent Park Woodlots	0.05	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-02-10	Kent Park Woodlots	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J11-03-08	Kent Park Woodlots	0.2	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L05-24-02	Green Harbor Estate Lots	0.36	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
L05-25-01	Green Harbor Estate Lots	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-25-17	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-25-21	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-26-02	Green Harbor Estate Lots	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-26-06	Green Harbor Estate Lots	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-26-15	Green Harbor Estate Lots	0.71	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-27-01	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-27-33	Green Harbor Estate Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-27-34	Green Harbor Estate Lots	0.2	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-27-35	Green Harbor Estate Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
L05-27-37	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-16	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-17	Green Harbor Estate Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-05-20	Green Harbor Estate Lots	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M05-10-27	Green Harbor Estate Lots	0.23	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
E08-01-02	Rear Admiral A.T. Sprague, Jr. Forest	7.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E08-01-13	Rear Admiral A.T. Sprague, Jr. Forest	22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
J03-02-05	Crowder's Woodland	4.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
J03-02-06	Crowder's Woodland	0.11	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I05-01-07	King Philip's Esker	16.6	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
D18-02-13	Spring Street Lot	2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C11-02-23	Edgewood Forest	8.3	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F08-06-01	South River Junction	0.75	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
G08-03-01	South River Junction	1.75	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
E20-03-03	North River Lot	5.9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-03-12	Fetlock Farm	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-01	Fetlock Farm	1.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-02	Fetlock Farm	1.14	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-03	Fetlock Farm	1.14	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-09	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-10	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-11	Fetlock Farm	0.49	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-12	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-04-19	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-04	Fetlock Farm	0.57	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-05	Fetlock Farm	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-06	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-07	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-08	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-10	Fetlock Farm	0.49	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-11	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-12	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
H06-05-13	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-14	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-15	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-16	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-17	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-18	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-19	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-20	Fetlock Farm	0.57	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-21	Fetlock Farm	0.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-22	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-23	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-24	Fetlock Farm	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-05-26	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-01	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-02	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-03	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-04	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-05	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-06	Fetlock Farm	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-07	Fetlock Farm	0.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-08	Fetlock Farm	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-09	Fetlock Farm	0.5	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-10	Fetlock Farm	0.47	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-11	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-12	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-13	Fetlock Farm	0.54	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-16	Fetlock Farm	0.51	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-17	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-18	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-19	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-20	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H06-06-21	Fetlock Farm	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I08-03-21	Southport Lots	2	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
I08-11-16	Southport Lots	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
D12-04-11	Cooper's Hollow	3.2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B14-02-01	Arrowhead Woods	8.12	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B14-02-14	Arrowhead Woods	4.08	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C13-01-44	Arrowhead Woods	0.29	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C13-02-06	Sawyer Woods	4.29	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
E09-01-30	Plainfield Valley	0.13	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F09-01-16	Plainfield Valley	10.64	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
L05-31-27	Donald E. Shute Nature Preserve	10.6	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
K10-01-44	Lawrence Land	17.4	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
F16-01-09	Heather Hill	1.01	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F16-01-10	Heather Hill	1.25	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F16-01-18	Heather Hill	1.27	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F17-03-03	Old Summer Street Rail Road	0.22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F17-03-04	Old Summer Street Rail Road	1.75	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F17-03-05	Old Summer Street Rail Road	0.37	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H12-01-06	Dubois Woodlot	4.82	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H12-01-18	Dubois Woodlot	9.44	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H12-01-18	Dubois Woodlot	0.65	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G12-29-03	Dubois Woodlot	2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I05-01-31	Black Mount Woodlots	1.8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I05-02-05	Black Mount Woodlots	0.95	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I13-03-36	Stonybrook Woodlots	2.17	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I13-03-15	Stonybrook Woodlots	6.42	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
J09-08-19	Bourne Park Woodlots	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J09-09-14	Bourne Park Woodlots	0.47	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-08-04	Bourne Park Woodlots	1.09	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-08-05	Bourne Park Woodlots	0.48	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-08-09	Bourne Park Woodlots	0.47	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-08-14	Bourne Park Woodlots	0.46	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
J10-09-01	Bourne Park Woodlots	0.52	Marshfield Conservation	Conservation	Yes	No	Passive	R2	P
L09-23-03	Coastal Lot	0.3	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
M07-09-01	Dyke Road Lot	1.27	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
C12-01-08	Eagle's Nest Woodlands	3.38	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C12-01-22	Eagle's Nest Woodlands	8	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C12-01-40	Eagle's Nest Woodlands	2	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C12-01-61	Eagle's Nest Woodlands	23	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C12-01-64	Eagle's Nest Woodlands	0.22	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C12-01-65	Eagle's Nest Woodlands	0.12	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G17-01-01	Forge La	1.79	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G13-01-02	Becksmad	9	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
K11-24-04	Smith	0.15	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
K10-19-23	Hamel	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
C16-01-07A	Kelly	1.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B13-01-08	Messer Preserve	24	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
G08-05-03	South River Park	0.18	Marshfield Conservation	Conservation	Yes	Yes	Passive	B-2	P

Land Managed by Town of Marshfield Conservation Dept.

Parcel ID	Property Name	Acres	Managing Agency	Purpose	Public Access	ADA Accessable	Recreation Potential	Zoning	Protection Status
G08-05-04	South River Park	0.18	Marshfield Conservation	Conservation	Yes	Yes	Passive	B-2	P
G08-05-05	South River Park	1.3	Marshfield Conservation	Conservation	Yes	Yes	Passive	B-2	P
I14-05-25A	Landry	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I14-05-16A	Landry	0.36	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I14-05-26	Landry	0.18	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
I11-17-17	Winbourne	0.092	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
L05-31-25	Bennett	14	Marshfield Conservation	Conservation	Yes	No	Passive	R3	P
B16-01-17	Little Conservation Land	24.82	Marshfield Conservation	Conservation	Yes	Part	Passive	R1	P
F17-01-04	Leonard	1.7	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
J11-01-49	Hynes	0.09	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
K09-03-06	Hynes	4.1	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
H12-07-01	Spyglass	1.85	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B12-01-03	Maryland Reservation	11	Marshfield Conservation	Conservation	Yes	Part	Passive	R1	P
B11-01-01	Maryland Reservation	4.4	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
B11-01-02	Maryland Reservation	1.04	Marshfield Conservation	Conservation	Yes	No	Passive	R1	P
F08-02-10B	Ellis Preserve	27.69	Marshfield Conservation	Conservation	Yes	Part	Passive	R1	P

Appendix J: ADA Self-Evaluation

TOWN OF MARSHFIELD

EQUAL ACCESS TO FACILITIES AND ACTIVITIES POLICY

It is the policy of the Town of Marshfield to provide equal access to those with disabilities to the Town's conservation, recreation and open space resources, whenever possible. Maximum opportunity will be made available to receive citizen comments, complaints and/or to resolve grievances or inquiries. To that end, should an individual with a disability believe that access to such facilities has been wrongfully denied, the following grievance procedure should be utilized.

STEP 1:

The Town Administrator will be available to meet with citizens and employees during business hours.

When a complaint, grievance, request for program policy interpretation or clarification is received either in writing or through a meeting or telephone call, every effort will be made to create a record regarding the name, address, and telephone number of the person making the complaint, grievance, program policy interpretation or clarification. If the person desires to remain anonymous, he or she may.

A complaint, grievance, request for program policy interpretation or clarification will be responded to within ten working days (if the person making the complaint is identified) in a format that is sensitive to the needs of the recipient (i.e. verbally, enlarged type face, etc.).

Copies of the complaint, grievance, request for program policy interpretation or clarification and response will be forwarded to the appropriate town agency (i.e. Recreation Commission, Conservation Commission). If the grievance is not resolved at this level, it will be progressed to the next level.

STEP 2:

A written grievance will be submitted to the Town Administrator at Marshfield Town Hall, 870 Moraine Street, Marshfield, MA 02050. Assistance in writing the grievance will be available to all individuals. All written grievances will be responded to within ten working days by the Town Administrator that is in a format sensitive to the needs of the recipient (i.e. verbally, enlarged type face, etc.). If the grievance is not resolved at this level, it will be progressed to the next level.

STEP 3:

If the grievance is not satisfactorily resolved, citizens will be informed of the opportunity to meet and speak with the Chair of the Board of Selectmen, with whom local authority for final grievance resolution lies.



Rocco J. Longo
Town Administrator

Town of Marshfield

Board of Selectmen
870 Moraine Street
Marshfield, Massachusetts 02050
Tel: 781-834-5563 Fax: 781-834-5527

November 15, 2011

Ms. Melissa Cryan
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

Re: Open Space and Recreation Plan

Dear Ms. Cryan:

This letter is to inform you that in recognition of the need for the Town of Marshfield to fully comply with the Americans with Disabilities Act as it relates to town conservation and recreation properties, the Town of Marshfield will seek funding at a 2012 Town Meeting to retain the professional services of an architectural firm to develop a Town Wide Capital Assessment/ Facilities Index including a full ADA assessment. This assessment will include a transition plan for full compliance as it relates to ADA.

The ADA Self Evaluation has been completed for properties used for Recreation programming and Conservation land with public access. The more recently constructed projects do comply with current regulations, however many properties that were purchased decades ago for conservation and water supply protection do not meet the current standard. While the town is fortunate to have been proactive in purchasing land to protect our water supply, wildlife habitats and preserve open space, many of these properties are generally unimproved and have little or no parking or other amenities.

More recent acquisitions and recreation facilities have considered ADA accessibility issues and were constructed to facilitate and encourage use by people with disabilities. The Coast Guard Hill Recreation Facility, Marshfield Community Playground and the Marshfield Skate Park have all been constructed with current ADA standards. The South River Park to be completed in 2012 will be fully ADA compliant. The Department of Public Works is currently working to be sure seawall modifications not only comply with ADA regulations, but encourage use by people with disabilities.

It is now our intention to retain a qualified architectural and engineering firm to best formulate plans for full compliance for remaining properties. Request for Proposals will be posted and funds will be sought at the 2012 Annual Town Meeting to fund the preparation of a transition plan as part of a larger town wide facilities assessment to meet our goal of full compliance with the Americans with Disabilities Act.

Respectfully,


Rocco Longo
Town Administrator

cc: Board of Selectmen
Scott Borstel, School Superintendent

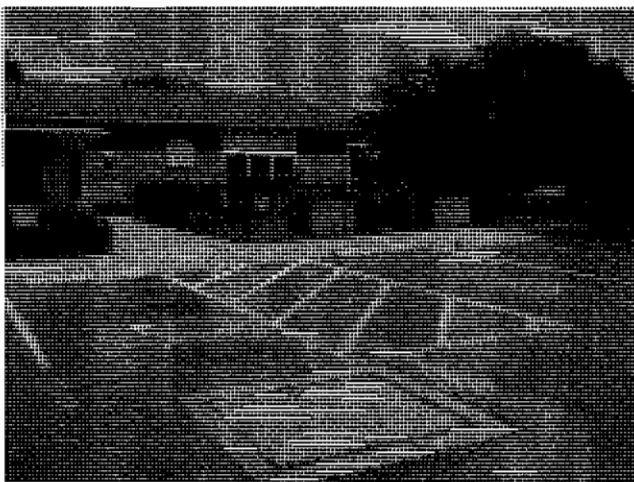
spring
2011

ACCESSIBILITY ASSESSEMENT for Marshfield Recreation Department

Completed by Antonio Pina, AIA
Member, Marshfield ADA Committee

Site: 900 Ferry Street

This facility at the base of Coast Guard Hill serves as the headquarters of the Marshfield Recreation Department, and hosts many of its programs and activities. The building was completely renovated in 2008, and has ample handicap parking. Additionally, many site features and exterior amenities have been designed considering users of all abilities, including ramps to viewing platforms, accessible picnic and play areas, etc. After a complete review of the facility, no recommendations need be made regarding structures and grounds.



LOCATION Coast Guard Hill

PARKING

Total Spaces	Required Accessible Spaces
Up to 25	1 space
26-50	2 spaces X
51-75	3 spaces
76-100	4 spaces
101-150	5 spaces
151-200	6 spaces
201-300	7 spaces
301-400	8 spaces
401-500	9 spaces

Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			

RAMPS

Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	n/a		
Handrails on both sides if ramp is longer than 6 ft	n/a		
Handrails at 34" and 19" from ramp surface	n/a		
Handrails extend 12" beyond top and bottom	n/a		
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

parking rec
area 38-2

LOCATION Coast Guard Hill

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	n/a		
Door mats less than 1/2" thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum	n/a		
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION Coast Guard Hill

STAIRS and DOORS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stairs no trail stairs in use by public			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34"-38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked	n/a		
Doors opening into hazardous area have hardware that is knurled or roughened			

NOTES

Coast Guard Hill

LOCATION

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach	X		
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall	X		
42" minimum clear space from center to farthest wall or fixture	X		
Top of seat 17"-19" above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 1/4" diameter	X		
1 1/2" clearance to wall	X		
Located 30" above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	X		

NOTES

Coast Guard Hill

LOCATION**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

Specification	Yes	No	Comments/Transition Notes
Floors			cvt?
Non-slip surface			
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	n/a		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			n/a
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	not therm--kids X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and numbers at least 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			

NOTES

Coast Guard Hill

LOCATION

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION

SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION

PICNICKING

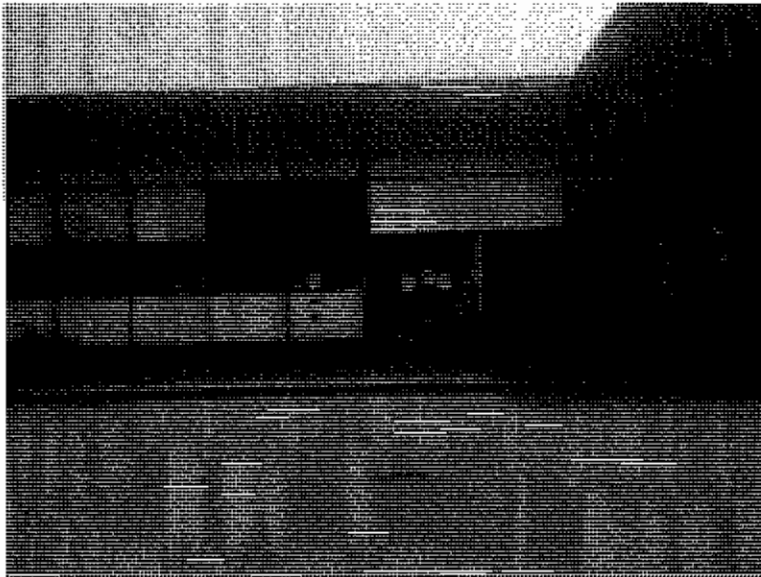
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.	X		
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions	X		
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			

ACCESSIBILITY ASSESSEMENT for Marshfield Recreation Department

Completed by Antonio Pina, AIA
Member, Marshfield ADA Committee

Site: 14 Library Plaza

This facility in Marshfield's Library Plaza serves as the Child Care Center for the Recreation Department. This facility occupies one bay of a larger, shared, single-story retail complex that has been adapted for reuse as the town's Library, Boys and Girls Club, and the Recreation Department's Child Care Center. The structure and grounds (probably built in the late 60's) show signs of wear with no significant updates since time of converted use.



The following items do not comply with accessible guidelines:

Parking: No van space at the current time.

Front door: Entry door system is aluminum storefront style with simple grab pull.
Not operable with closed fist.

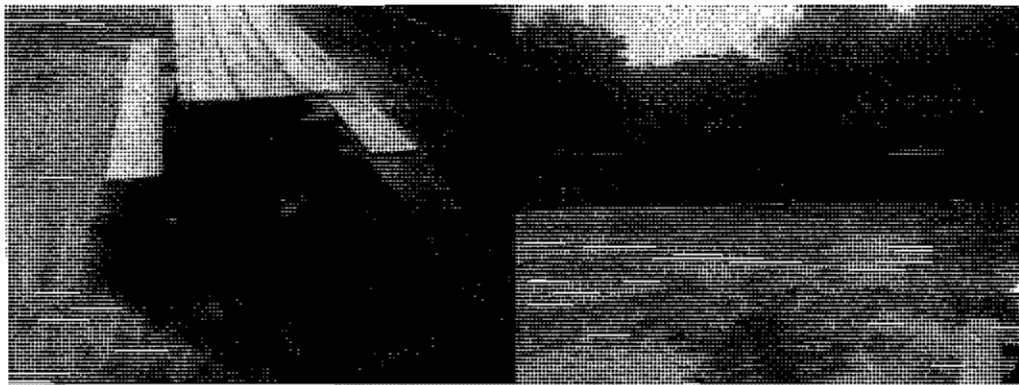
Interior doors: Three interior doors are 32" or less clear opening.
One bathroom door is knob type.
Hardware on doors in to storage/mech areas not locking or
knurled for differentiation.

Restroom: Sinks in both boys and girls bathrooms do not extend sufficiently due
to bowl depth, limited knee space under.

Floors: Numerous locations where carpeting is wrinkled, not taut, or larger pieces of carpeting have been placed over original and is not secured or fastened in any way.



Exterior: Surfacing in picnic area uneven grass. No accessible play structures.



While there is no van parking at this time, there is a drop off area with accessible ramp. The parking lot has been re-designed as part of a large community playground project that has been completed and will be updated as a future phase to Library renovation. Handicap parking does exist within 100' of entrance at side of Library with partially covered walkway to Child Care Center.

Two of the non-compliant interior doors have some partial alternate access, and while the hardware of the entry door is not latch-type, structure of the entry door system limits possibilities for retrofitting door hardware.

Sinks in both restrooms are pedestal type, and exposed pipes are very well protected by insulation.

Exterior play areas are shared by Boys and Girls Club, and are not the exclusive use of the Child Care Center.

At this time, the following recommendations pose the most immediate concern:

Removal or fastening of loose or wrinkled carpeting.



Replace knob type door hardware in youth bathroom with latch-type and secure storage areas with locking hardware.

Provide compacted gravel path to edge of picnic table.

LOCATION Library Plaza

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces X		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance		X	parking lot completely redesigned
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	n/a		No railing
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

LOCATION Library Plaza

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		Does not require
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		including ENT?
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		planters?
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		34.5"
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	n/a		
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed	n/a		
Grates in path of travel have openings of 1/2" maximum	n/a		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	n/a		one entrance
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	x		strobes (yes)

NOTES

LOCATION Library Plaza

STAIRS and DOORS

Specification	Yes	No	Comments/Transition Notes
Stairs	n/a		
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34"-38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening		X	3 interior doors/ 32"
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	n/a		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked	n/a		
Doors opening into hazardous area have hardware that is knurled or roughened		X	

NOTES

4,000 S.F. (At least 20-30 years old)

Ext. space noncompliant

LOCATION Library Plaza

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	X		
At least one Sink:			
	B	G	
Clear floor space of 30" by 48" to allow a forward approach	X	X	
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	Both		Both B&G
Open knee space a minimum 19" deep, 30" width, and 27" high	Both		Both B&G
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep	n/a		single occupancy
Stall door is 36" wide			
Stall door swings out			
Stall door is self closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall	X		Both B&G
42" minimum clear space from center to farthest wall or fixture	X		Both B&G
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet	X		Both
1 ¼" diameter	X		Both
1 ½" clearance to wall	X		Both
Located 30" above and parallel to the floor	X		Both
Acid-etched or roughened surface	X		Both
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")	n/a		no mirrors
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	16 to bottom (both)

NOTES

LOCATION Library Plaza

FLOORS, DRINKING FOUNTAINS, TELEPHONES

Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	mostly not ok - one area
Corridor width minimum is 3 ft	X		down, one area from buckling
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		down
Drinking Fountains			
	n/a		none
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
	n/a		none
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and numbers at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			

back taped
& loose, not

NOTES

LOCATION Library Plaza n/a

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION n/a

SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION

PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.	X		
Top of table no higher than 32" above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	grass
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter	X		

Facility Inventory
LOCATION:

Governor Winslow

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
		Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material
		Dimensions
		Rails
		Signage (for visually impaired)
Swimming Facilities	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths
		Berm cuts onto courts
	Equipment	Height
		Dimensions
		Spectator Seating
Boat Docks	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	
	Process to request interpretive services (i.e. sign language interpreter) for meetings	

LOCATION

PARKING

Total Spaces	Required Accessible Spaces
Up to 25	1 space
26-50	2 spaces
51-75 65 SPACES	3 spaces ONLY 2 SPACES
76-100	4 spaces
101-150	5 spaces
151-200	6 spaces
201-300	7 spaces
301-400	8 spaces
401-500	9 spaces

Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	2 SPACES CONNECTED WITH TOTAL SPACE 25'
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)			CRACKS THROUGHOUT PARKING LOT
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		NEEDS WORK AT BASE WHERE ASPHALT MEETS CEMENT, CEMENT CRUMBLING

RAMPS

Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	?		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom			?
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	?		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION

STAIRS and DOORS

Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers		X	STAGE
Nosings not projecting			STAIRS THAT ARE PART OF STAGE
Treads no less than 11" wide	X		
Handrails on both sides		X	STAGE STAIRS
Handrails 34"-38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	NOT TOP BACK OF STAGE
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors			NO WAY OF TESTING
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			DOOR WITH RESTRICTED ACCESS HAVE
Hardware minimum 36", maximum 48" above the floor	X		KNOBS (CLOSETS)
Clear, level floor space extends out 5 ft from both sides of the door		X	CLASSROOMS CLUTTERED
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

LOCATION

RESTROOMS – also see Doors and Vestibules			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	X		
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach	X		
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep	X		
Stall door is 36" wide	X		
Stall door swings out	X		
Stall door is self closing	X		NEEDS WORK
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	50"STALLS ARE ONLY 54" HIGH
Toilet			
18" from center to nearest side wall		X	24"
42" minimum clear space from center to farthest wall or fixture	X		
Top of seat 17"-19" above the floor		X	20 1/2"
Grab Bars			
On back and side wall closest to toilet	X		
1 1/4" diameter	X		
1 1/2" clearance to wall	X		
Located 30" above and parallel to the floor			35"
Acid-etched or roughened surface			
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	43 TOWEL DISPENSER

NOTES

LOCATION

FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	AED DEFIBULATOR
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor		X	SOME CLASSROOM PHONES 60"
Access within 12" of phone, 30" high by 30" wide	X		
Adjustable volume control on headset so identified	X		
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed	X		MOST
Letters and numbers at least 1/4" high	X		MOST
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			NA
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			NA
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION**PICNICKING**

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			NA
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			

Facility Inventory
LOCATION:

Furnace Brook Middle School

ACTIVITY	EQUIPMENT	NOTES	
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	
Picnic Shelters		Located adjacent to accessible paths	
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	
			Location from accessible parking
			Safety features i.e. warning for visually impaired
	Beaches		Location from accessible path into water
			Handrails
			Location from accessible parking
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	
	Access Routes	Located adjacent to accessible paths	
Game Areas: *ballfield *basketball *tennis	Access Routes	Enough space between equipment for wheelchair	
		Located adjacent to accessible paths	
	Equipment	Berm cuts onto courts	
			Height
			Dimensions
Boat Docks	Access Routes	Spectator Seating	
		Located adjacent to accessible paths	
Fishing Facilities	Access Routes	Handrails	
		Located adjacent to accessible paths	
	Equipment	Handrails	
		Arm Rests	
		Bait Shelves	
		Handrails	
Programming	Are special programs at your facilities accessible?	Fish Cleaning Tables	
		Learn-to-Swim	
		Guided Hikes	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	Interpretive Programs	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	

LOCATION

PARKING			
Total Spaces	Required Accessible Spaces		
Up to 25	1 space		
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION

STAIRS and DOORS

Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		round
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			

NOTES

LOCATION

RESTROOMS – also see Doors and Vestibules

Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	X		
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach	X		
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep	X		
Stall door is 36" wide	X		
Stall door swings out	X		
Stall door is self closing	X		
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32" above the floor	X		
Coat hook is 54" high	X		
Toilet			
18" from center to nearest side wall	X		
42" minimum clear space from center to farthest wall or fixture	X		
Top of seat 17"-19" above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 1/4" diameter	X		
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface	X		
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	X		

NOTES

LOCATION**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor	X		
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers at least 1 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			NA
Lifting device			NA
Transfer area 18" above the path of travel and a minimum of 18" wide			NA
Unobstructed path of travel not less than 48" wide around pool			NA
Non-slip surface			NA

LOCATION**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening	X		
Floors are pitched to drain the stall at the corner farthest from entrance	X		
Floors are non-slip surface	X		
Controls operate by a single lever with a pressure balance mixing valve	X		
Controls are located on the center wall adjacent to the hinged seat	X		
Shower heads attached to a flexible metal hose	X		
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor	X		
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long	X		
Soap trays without handhold features unless they can support 250 pounds		X	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar	X		
Grab bars are placed horizontally at 36" above the floor line	X		

LOCATION**PICNICKING**

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			NA
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			NA
Top of table no higher than 32" above ground			NA
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			NA
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			NA

Facility Inventory
LOCATION:

Marshfield High School

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
		Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material
		Dimensions
		Rails
		Signage (for visually impaired)
Swimming Facilities	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths
		Berm cuts onto courts
	Equipment	Height
		Dimensions
		Spectator Seating
Boat Docks	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
Programming	Are special programs at your facilities accessible?	Fish Cleaning Tables
		Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	
	Process to request interpretive services (i.e. sign language interpreter) for meetings	

LOCATION

PARKING

Total Spaces		Required Accessible Spaces	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space -- minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened			
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION

STAIRS and DOORS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stairs			
No open risers	x		
Nosings not projecting	x		
Treads no less than 11" wide	x		
Handrails on both sides	x		
Handrails 34"-38" above tread	x		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	x		
Handgrip oval or round		x	square
Handgrip has a smooth surface	x		
Handgrip diameter between 1¼" and 1½"	x		
1½" clearance between wall and handrail	x		
Doors			
Minimum 32" clear opening	x		
At least 18" clear floor space on pull side of door	x		
Closing speed minimum 3 seconds to within 3" of the latch	x		
Maximum pressure 5 pounds interior doors	x		
Threshold maximum ½" high, beveled on both sides	x		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		x	all inside doors
Hardware minimum 36", maximum 48" above the floor	x		
Clear, level floor space extends out 5 ft from both sides of the door	x		
Door adjacent to revolving door is accessible and unlocked	na		
Doors opening into hazardous area have hardware that is knurled or roughened	x		

NOTES

LOCATION

RESTROOMS – also see Doors and Vestibules

Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	X		
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep	X		
Stall door is 36" wide	X		
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32" above the floor	X		
Coat hook is 54" high	X		
Toilet			
18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	
Grab Bars			
On back and side wall closest to toilet		X	
1 1/4" diameter	X		
1 1/2" clearance to wall	X		
Located 30" above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	X		

NOTES

LOCATION

FLOORS, DRINKING FOUNTAINS, TELEPHONES

Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor	X		
Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified	X		
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	
Signs			
Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed	X		
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

NOTES

LOCATION**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			NA
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface	X		
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		X	
Soap trays without handhold features unless they can support 250 pounds	X		
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		X	
Grab bars are placed horizontally at 36" above the floor line		X	

LOCATION**PICNICKING**

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			NA
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			

Facility Inventory
LOCATION:

Martinson

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
		Located adjacent to accessible paths
Trails	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
		Surface material
		Dimensions
		Rails
		Signage (for visually impaired)
Swimming Facilities	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
		Location from accessible path into water
	Beaches	Handrails
		Location from accessible parking
		Shade provided
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths
		Berm cuts onto courts
	Equipment	Height
		Dimensions
		Spectator Seating
Boat Docks	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	
	Process to request interpretive services (i.e. sign language interpreter) for meetings	

LOCATION

PARKING			
Total Spaces		Required Accessible Spaces	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			NA
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail	X		
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction	X		

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum	X		
Signs at non-accessible entrance(s) indicate direction to accessible entrance	X		
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION

STAIRS and DOORS			
Specification	Yes	No	Comments/Transition Notes
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)	X		
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door	X		
Door adjacent to revolving door is accessible and unlocked			NA
Doors opening into hazardous area have hardware that is knurled or roughened	X		

NOTES

LOCATION

RESTROOMS – also see Doors and Vestibules

Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	X		
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach	X		
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation	X		
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep	X		
Stall door is 36" wide	X		
Stall door swings out	X		
Stall door is self closing	X		
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32" above the floor	X		
Coat hook is 54" high	X		
Toilet			
18" from center to nearest side wall	X		
42" minimum clear space from center to farthest wall or fixture	X		
Top of seat 17"-19" above the floor	X		
Grab Bars			
On back and side wall closest to toilet	X		
1 1/4" diameter	X		
1 1/2" clearance to wall	X		
Located 30" above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	X		

NOTES

LOCATION

FLOORS, DRINKING FOUNTAINS, TELEPHONES

Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor	NA		
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign	X		
Within 18" of door jamb or recessed	X		
Letters and numbers at least 1/4" high	X		
Letters and numbers raised .03"	X		
Letters and numbers contrast with the background color	X		

NOTES

LOCATION**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			NA
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			NA
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION**PICNICKING**

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			NA
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			

Facility Inventory
LOCATION: *South River School*

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
Trails	Picnic Shelters	Located adjacent to accessible paths
		Located near accessible water fountains, trash can, restroom, parking, etc.
		Surface material
		Dimensions
		Signage (for visually impaired)
Swimming Facilities	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Shade provided
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
Boat Docks	Access Routes	Spectator Seating
		Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
Programming	Are special programs at your facilities accessible?	Fish Cleaning Tables
		Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired	
	Process to request interpretive services (i.e. sign language interpreter) for meetings	

LOCATION

PARKING			
<i>Total Spaces</i>		<i>Required Accessible Spaces</i>	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces X	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
RAMPS			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12	X		
Minimum width 4 ft between handrails	X		
Handrails on both sides if ramp is longer than 6 ft	X		
Handrails at 34" and 19" from ramp surface	X		
Handrails extend 12" beyond top and bottom	X		
Handgrip oval or round	X		
Handgrip smooth surface	X		
Handgrip diameter between 1 1/4" and 2"	X		
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface	X		
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e. 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	X		
Door mats less than 1/2" thick are securely fastened	X		
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted	X		

NOTES

LOCATION**STAIRS and DOORS**

<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Stairs			
No open risers	X		
Nosings not projecting	X		
Treads no less than 11" wide	X		
Handrails on both sides	X		
Handrails 34"-38" above tread	X		
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round	X		
Handgrip has a smooth surface	X		
Handgrip diameter between 1 1/4" and 1 1/2"	X		
1 1/2" clearance between wall and handrail	X		
Doors			
Minimum 32" clear opening	X		
At least 18" clear floor space on pull side of door	X		
Closing speed minimum 3 seconds to within 3" of the latch	X		
Maximum pressure 5 pounds interior doors	X		
Threshold maximum 1/2" high, beveled on both sides	X		
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)	X		
Hardware minimum 36", maximum 48" above the floor	X		
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			

NOTES

LOCATION

RESTROOMS – also see Doors and Vestibules			
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
5 ft turning space measured 12" from the floor		X	
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out	X		
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	
Toilet			
18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	
Grab Bars			
On back and side wall closest to toilet		X	
1 1/4" diameter		X	
1 1/2" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	X		

NOTES

LOCATION**FLOORS, DRINKING FOUNTAINS, TELEPHONES**

Specification	Yes	No	Comments/Transition Notes
Floors			
Non-slip surface	X		
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored	X		
Corridor width minimum is 3 ft	X		
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor	X		
Drinking Fountains			
Spouts no higher than 36" from floor to outlet	X		
Hand operated push button or level controls	X		
Spouts located near front with stream of water as parallel to front as possible	X		
If recessed, recess a minimum 30" width, and no deeper than depth of fountain	X		
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach	X		
Telephones			
Highest operating part a maximum 54" above the floor	X		
Access within 12" of phone, 30" high by 30" wide	X		
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	Yes	No	Comments/Transition Notes
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc, must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach	X		
Electrical outlets centered no lower than 18" above the floor	X		
Warning signals must be visual as well as audible	X		
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed	X		
Letters and numbers at least 1 1/4" high	X		
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color	X		

NOTES

LOCATION

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			NA
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION

SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			NA
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION

PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			NA
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			

Bennet Woodland

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Bennet Woodland

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Bennet Woodland

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Blueberry Island

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Blueberry Island

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Blueberry Island

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES

Unimproved hiking and wildlife area, Primitive camping,
Remote area on North River.

Bourne Island

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Bourne Island

LOCATION

PARKING				
Total Spaces	1	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Bourne Island

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Brookes-Tilden

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths YES
		Access to Open Spaces YES
		Back and Arm Rests NO
		Adequate number YES
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths YES
	Picnic Shelters	Located adjacent to accessible paths
Trails		Located near accessible water fountains, trash can, restroom, parking, etc.
		Surface material Dirt
		Dimensions Varies
		Rails None
Swimming Facilities	Pools NONE	Signage (for visually impaired) No
		Entrance
		Location from accessible parking
	Beaches	Safety features i.e. warning for visually impaired
		Location from accessible path into water YES
		Handrails NO
		Location from accessible parking YES
		Shade provided YES
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Located adjacent to accessible paths
		Berm cuts onto courts
	Equipment	Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths NO
		Handrails NO
	Equipment	Arm Rests NO
		Bait Shelves NO
		Handrails NO
		Fish Cleaning Tables NO
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Brookes-Tilden

LOCATION

PARKING				
Total Spaces	10	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Brookes-Tilden

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Parking and canoe launch area, picnic table,
 fishing along bank of North River salt marsh.

Carolina Hill

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
	Equipment	Located adjacent to accessible paths
		Berm cuts onto courts
		Height
		Dimensions
Boat Docks NONE	Access Routes	Spectator Seating
		Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
Programming NONE	Are special programs at your facilities accessible?	Fish Cleaning Tables
		Learn-to-Swim
		Guided Hikes
Services and Technical Assistance NONE		Interpretive Programs
		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Carolina Hill

LOCATION

PARKING				
Total Spaces	10	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Carolina Hill

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Cornhill Woodland

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Cornhill Woodland

LOCATION

PARKING				
Total Spaces	3	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Cornhill Woodland

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.
 Crude boardwalk through wetland.

Ellis Bog Preserve

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Ellis Bog Preserve

LOCATION

PARKING			
Total Spaces	4	Required Accessible Spaces	
Up to 25		1 space	
26-50		2 spaces	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%		X	
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X	
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	
RAMPS			
NONE			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

Ellis Bog Preserve

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Ferry Hill Thicket

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Ferry Hill Thicket

LOCATION

PARKING				
Total Spaces	1	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Ferry Hill Thicket

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Fetlock Farms

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Fetlock Farms

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Fetlock Farms

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

MARSH FIELD HILLS Playground

P/1/3

LOCATION

PARKING

Total Spaces	Required Accessible Spaces
Up to 25	1 space
26-50	2 spaces
51-75	3 spaces
76-100	4 spaces
101-150	5 spaces
151-200	6 spaces
201-300	7 spaces
301-400	8 spaces
401-500	9 spaces

5 TOTAL SPACES
NO ACCESSIBLE SPACES
IDENTIFIED

Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance		X	NO ACCESSIBLE ENTRANCE
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%		X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	

RAMPS

Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12		X	NO RAMPS
Minimum width 4 ft between handrails		N/A	
Handrails on both sides if ramp is longer than 6 ft		N/A	
Handrails at 34" and 19" from ramp surface		N/A	
Handrails extend 12" beyond top and bottom		N/A	
Handgrip oval or round		N/A	
Handgrip smooth surface		N/A	
Handgrip diameter between 1 1/4" and 2"		N/A	
Clearance of 1 1/2" between wall and wall rail		N/A	
Non-slip surface		N/A	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		N/A	

MARSHFIELD HILLS Playground

P 2/3

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	NO ACCESSIBLE ENTRANCE
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	PARKING LOT PAVED, NOT ENTRANCE
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs		?	STEEP SLOPE
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		N/A	
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		NO	NO ACCESSIBLE ENTRANCE
Level space extending 5 ft. from the door, interior and exterior of entrance doors		N/A	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		N/A	
At least 18" clear floor area on latch, pull side of door		N/A	
Door handle no higher than 48" and operable with a closed fist		N/A	
Vestibule is 4 ft plus the width of the door swinging into the space		N/A	
Entrance(s) on a level that makes elevators accessible		N/A	
Door mats less than 1/2" thick are securely fastened		N/A	
Door mats more than 1/2" thick are recessed		N/A	
Grates in path of travel have openings of 1/2" maximum		N/A	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		N/A	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		N/A	

NOTES

PLANS UNDERWAY FOR PARK RENOVATIONS

MARSHFIELD HILLS PLAYGROUND

P 3/3

LOCATION

SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area			
Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			N/A
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION

SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			N/A
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION

PICNICKING			
Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.	X		
Top of table no higher than 32" above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		N/A	

Peter Igo Park

P1/3

LOCATION

PARKING

Total Spaces	Required Accessible Spaces		
Up to 25	1 space	NONE DESIGNATED	
26-50	2 spaces		
51-75	3 spaces		
76-100	4 spaces		
101-150	5 spaces		
151-200	6 spaces		
201-300	7 spaces		
301-400	8 spaces		
401-500	9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance		X	NO ACCESSIBLE ENTRANCE
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			AMPLE SPACE TO CREATE ACCESSIBLE SPACES
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	NONE DESIGNATED
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%		X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		N/A	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		N/A	
RAMPS			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12		X	NO RAMPS STEEP SLOPE
Minimum width 4 ft between handrails		N/A	
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface		N/A	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		N/A	

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	ENTRANCE CONTAINS STEEP GRADE / uneven surface
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		SLOPE NEEDS TO BE ADDRESSED
Path is stable, firm and slip resistant		X	
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		N/A	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		N/A	
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		N/A	N/A NO ACCESSIBLE ENTRANCE
Level space extending 5 ft. from the door, interior and exterior of entrance doors		N/A	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		N/A	
At least 18" clear floor area on latch, pull side of door		N/A	
Door handle no higher than 48" and operable with a closed fist		N/A	
Vestibule is 4 ft plus the width of the door swinging into the space		N/A	
Entrance(s) on a level that makes elevators accessible		N/A	
Door mats less than 1/2" thick are securely fastened		N/A	
Door mats more than 1/2" thick are recessed		N/A	
Grates in path of travel have openings of 1/2" maximum		N/A	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		N/A	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		N/A	

NOTES

PLANS underway for Park Renovations

Peter Igo Paek

P/3/3

LOCATION

SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			N/A
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION

SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			N/A
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION

PICNICKING

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		No	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.		No	
Top of table no higher than 32" above ground		Yes	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		Yes	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		No	

LOCATION

PARKING

Total Spaces	Required Accessible Spaces
Up to 25	1 space
26-50	2 spaces
51-75	3 spaces
76-100	4 spaces
101-150	5 spaces
151-200	6 spaces
201-300	7 spaces
301-400	8 spaces
401-500	9 spaces

NO PARKING
DESIGNATED
ACCESSIBLE

STREET PARKING
ONLY

Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			N/A
Sign with international symbol of accessibility at each space or pair of spaces			NO PARKING LOT
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			uneven transition
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			to entrance no curb cut at Road to walk

RAMPS

Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			N/A
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES

Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	NO ACCESSIBLE ENTRANCE
Surface evenly paved or hard-packed		X	uneven surface
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	gateway 3 ft
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			N/A
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs			N/A
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e. 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			N/A
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2" thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction to accessible entrance			
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted			

NOTES

LOCATION**SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area**

Specification	Yes	No	Comments/Transition Notes
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			N/A
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			

LOCATION**SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use**

Specification	Yes	No	Comments/Transition Notes
Stalls 36" by 60" minimum, with a 36" door opening			N/A
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			

LOCATION**PICNICKING**

Specification	Yes	No	Comments/Transition Notes
A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access	X		
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.	X		
Top of table no higher than 32" above ground		X	35" (2")
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions	X		Even grade grass surface
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter			N/A

Little Conservation Area

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Little Conservation Area

LOCATION

PARKING				
Total Spaces	4	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes	
Accessible space located closest to accessible entrance	X			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X		
Sign with international symbol of accessibility at each space or pair of spaces		X		
Sign minimum 5 ft, maximum 8 ft to top of sign		X		
Surface evenly paved or hard-packed (no cracks)		X		
Surface slope less than 1:20, 5%		X		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X		
RAMPS				
NONE				
Specification	Yes	No	Comments/Transition Notes	
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Little Conservation Area

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Wharf Creek

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Wharf Creek

LOCATION

PARKING				
Total Spaces	1	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Wharf Creek

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Websters Wilderness

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Websters Wilderness

LOCATION

PARKING				
Total Spaces	6	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Websters Wilderness

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Veader Forest

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Veader Forest

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Veader Forest

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Union Street Woodland

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Union Street Woodland

LOCATION

PARKING				
Total Spaces	4	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Union Street Woodland

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Sprague Forest

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Sprague Forest

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Sprague Forest

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Oak Street Woodland

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Oak Street Woodland

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Oak Street Woodland

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Mounces Meadow

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Mounces Meadow

LOCATION

PARKING				
Total Spaces	4	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Mounces Meadow

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES

Community Garden Plots, Portion leased for Agriculture

Messer Preserve

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities	Access Routes	Located adjacent to accessible paths NONE
		Handrails NONE
	Equipment	Arm Rests NONE
		Bait Shelves NONE
		Handrails NONE
		Fish Cleaning Tables NONE
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Messer Preserve

LOCATION

PARKING				
Total Spaces	0	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Messer Preserve

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES

Remote Observation platform next to North River and salt marsh.

Maryland St. Reservation

Facility Inventory

LOCATION:

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities NONE	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
	Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.
Trails		Surface material Dirt
		Dimensions Varies
		Rails None
		Signage (for visually impaired) No
Swimming Facilities NONE	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots) NONE	All Play Equipment i.e. swings, slides	Shade provided
	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
Game Areas: *ballfield *basketball *tennis NONE	Access Routes	Enough space between equipment for wheelchair
		Located adjacent to accessible paths
	Equipment	Berm cuts onto courts
		Height
		Dimensions
		Spectator Seating
Boat Docks NONE	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities NONE	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Handrails
		Fish Cleaning Tables
Programming NONE	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance NONE		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings

Maryland St. Reservation

LOCATION

PARKING				
Total Spaces	5	Required Accessible Spaces		
Up to 25		1 space		
26-50		2 spaces		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	NONE	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	
RAMPS				
Specification	NONE	Yes	No	Comments/Transition Notes
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				

Maryland St. Reservation

LOCATION

SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	Yes	No	Comments/Transition Notes
Site Access			
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances NONE			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and <i>not</i> be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than 1/2" thick are securely fastened		X	
Door mats more than 1/2" thick are recessed		X	
Grates in path of travel have openings of 1/2" maximum		X	
Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

NOTES Unimproved hiking and wildlife area.

Appendix K: Public Survey Results

Open Space Planning Survey

1. How old are you?

	Age	Response Count
18-25	100.0% (2)	2
25-35	100.0% (10)	10
35-45	100.0% (86)	86
45-55	100.0% (81)	81
55-65	100.0% (44)	44
over 65	100.0% (17)	17
	<i>answered question</i>	240
	<i>skipped question</i>	2

2. How many people, including yourself, live in your household?

	1	2	3	4	5+	Response Count
Children(1-12yrs)	38.8% (45)	42.2% (49)	12.9% (15)	4.3% (5)	1.7% (2)	116
Teenagers (13-18 yrs)	60.3% (41)	30.9% (21)	7.4% (5)	1.5% (1)	0.0% (0)	68
Adults (19-65 yrs)	14.0% (28)	70.0% (140)	11.0% (22)	5.0% (10)	0.0% (0)	200
Seniors	25.9% (7)	70.4% (19)	3.7% (1)	0.0% (0)	0.0% (0)	27
	<i>answered question</i>					237
	<i>skipped question</i>					5

3. How many years have you lived in Marshfield?

	0-1	2-5	6-10	11-15	16-20	20+	Response Count
Years	1.7% (4)	9.2% (22)	15.4% (37)	15.8% (38)	12.1% (29)	45.8% (110)	240
	answered question						240
	skipped question						2

4. Would you support the town taking actions to :

	Yes, absolutely	Probably	No	Don't Know	Response Count
Purchase open space for conservation	67.1% (141)	22.9% (48)	6.2% (13)	3.8% (8)	210
Purchase lands for recreation	60.7% (128)	26.5% (56)	9.0% (19)	3.8% (8)	211
Develop trail maps of existing open space lands	68.2% (144)	22.3% (47)	6.6% (14)	2.8% (6)	211
Pursue outside funding/grants for conservation & recreation land acquisition	83.4% (176)	11.8% (25)	2.8% (6)	1.9% (4)	211
Encourage conservation by state agencies	72.5% (150)	17.9% (37)	6.3% (13)	3.4% (7)	207
Create a multi-use trail	58.0% (120)	26.1% (54)	11.1% (23)	4.8% (10)	207
	answered question				215
	skipped question				27

5. Given that the town has limited funds, please rank the land you think should be purchased by level of importance

	High	Medium	Low	Response Count
Properties that protect groundwater and municipal wells	84.4% (178)	11.4% (24)	4.3% (9)	211
Properties that connect existing conservation lands	45.5% (96)	36.5% (77)	18.0% (38)	211
Properties for ball fields & playgrounds	38.6% (81)	33.3% (70)	28.1% (59)	210
Forests and woods	44.4% (92)	46.4% (96)	9.2% (19)	207
Historic landscapes	41.5% (85)	42.4% (87)	16.1% (33)	205
Wildlife corridors and habitat	54.6% (112)	34.6% (71)	10.7% (22)	205
Buildable lands (upland)	16.1% (33)	36.6% (75)	47.3% (97)	205
Buildable land that buffers wetlands	30.1% (63)	36.8% (77)	33.0% (69)	209
Open fields	24.0% (49)	53.9% (110)	22.1% (45)	204
Wetlands	28.4% (59)	34.1% (71)	37.5% (78)	208
Salt marshes	31.6% (66)	36.4% (76)	32.1% (67)	209
Properties that allow access to water	52.5% (106)	30.2% (61)	17.3% (35)	202
			Other (please specify)	13
			<i>answered question</i>	214
			<i>skipped question</i>	28

6. How often do you use the following types of public open space and recreation areas in town:

	Frequently	Occasionally	Never	Response Count
Natural open spaces	41.4% (87)	49.5% (104)	9.0% (19)	210
Hiking/Walking trails	45.7% (96)	41.0% (86)	13.3% (28)	210
Playgrounds	24.2% (50)	34.8% (72)	41.1% (85)	207
Athletic fields	36.7% (76)	25.6% (53)	37.7% (78)	207
Skate parks	7.8% (16)	22.8% (47)	69.4% (143)	206
Bridle path	10.2% (21)	27.2% (56)	62.6% (129)	206
Boat launch	16.3% (34)	29.8% (62)	53.8% (112)	208
Beach	77.3% (163)	20.9% (44)	1.9% (4)	211
	answered question			214
	skipped question			28

7. Categorize your sense of the availability of current public recreation resources in town:

	Too many	Enough	Not enough	Don't know	Response Count
Natural open spaces	2.4% (5)	29.7% (62)	61.2% (128)	6.7% (14)	209
Hiking/Walking trails	2.8% (6)	34.6% (73)	55.9% (118)	6.6% (14)	211
Playgrounds	2.8% (6)	44.3% (94)	46.2% (98)	6.6% (14)	212
Athletic fields	3.3% (7)	44.6% (95)	43.7% (93)	8.5% (18)	213
Skate parks	10.9% (23)	76.3% (161)	8.5% (18)	4.3% (9)	211
Bridle path	5.7% (12)	50.2% (106)	14.2% (30)	29.9% (63)	211
Biking trails	1.9% (4)	20.0% (42)	62.9% (132)	15.2% (32)	210
Boat launch	2.9% (6)	57.1% (120)	18.6% (39)	21.4% (45)	210
Fishing areas	1.4% (3)	50.7% (106)	23.4% (49)	24.4% (51)	209
Golf courses	10.1% (21)	75.8% (157)	7.7% (16)	6.3% (13)	207
Dog walking sites	8.6% (18)	40.0% (84)	30.0% (63)	21.4% (45)	210
Canoe/kayak access	2.4% (5)	32.5% (69)	38.7% (82)	26.4% (56)	212
	answered question				214
	skipped question				28

8. Please indicate the importance of the following to you:

	High	Medium	Low	Response Count
Protection of open space to provide for balanced growth & preserve town character	75.2% (158)	20.5% (43)	4.3% (9)	210
Protect open space to control taxes and reduce demand on town infrastructure	54.0% (114)	35.1% (74)	10.9% (23)	211
Protect open space for water resource protection	75.1% (160)	22.5% (48)	2.3% (5)	213
Protect open space for wildlife and habitat protection	61.1% (129)	32.7% (69)	6.2% (13)	211
Protect open space for passive recreation (walking, hiking)	57.1% (121)	36.8% (78)	6.1% (13)	212
Preserve town character & historical resources	60.1% (128)	31.5% (67)	8.5% (18)	213
Preserve historic landscapes	49.8% (104)	35.9% (75)	14.4% (30)	209
Create additional recreation fields	34.0% (71)	32.1% (67)	34.0% (71)	209
Create additional playgrounds	25.6% (54)	35.1% (74)	39.3% (83)	211
Create additional trails	30.1% (63)	50.7% (106)	19.1% (40)	209
Create additional bike paths	38.7% (82)	42.0% (89)	19.3% (41)	212
Designate or purchase land for development of renewable energy facilities	42.6% (89)	37.8% (79)	19.6% (41)	209
Create new parks	26.4% (55)	43.8% (91)	29.8% (62)	208
	answered question			215
	skipped question			27

9. Do you feel that any of the following restrict or prevent you from using current public recreation and open space sites?

	Not an issue	Somewhat	Definitely	Response Count
Regulation restrictions	70.5% (146)	23.2% (48)	6.3% (13)	207
General appearance – trash, etc	56.7% (119)	30.0% (63)	13.3% (28)	210
Parking limitations	29.7% (63)	44.8% (95)	25.5% (54)	212
Accessibility	52.1% (110)	30.3% (64)	17.5% (37)	211
Signage/difficulty locating	41.3% (86)	38.9% (81)	19.7% (41)	208
			Other (please specify)	22
			<i>answered question</i>	214
			<i>skipped question</i>	28

10. Do you feel that the following possible management approaches are appropriate/needed for town-owned open space and recreation facilities:

	Definitely	Maybe	No	Don't know	Response Count
Selective cutting of trees for forest management	38.7% (82)	39.6% (84)	11.8% (25)	9.9% (21)	212
Increased trail construction	36.2% (77)	44.1% (94)	15.0% (32)	4.7% (10)	213
Development of trail maps	53.1% (112)	32.7% (69)	11.8% (25)	2.4% (5)	211
Planting of crops such as Christmas trees, cranberries	21.9% (46)	45.2% (95)	25.2% (53)	7.6% (16)	210
Control of invasive plants	56.3% (117)	31.7% (66)	6.3% (13)	5.8% (12)	208
Controlled burning	31.4% (66)	42.4% (89)	14.8% (31)	11.4% (24)	210
Creation of community gardens	35.5% (75)	41.2% (87)	18.5% (39)	4.7% (10)	211
				Other (please specify)	9
				<i>answered question</i>	213
				<i>skipped question</i>	29

11. In the space below, please provide any additional comments you believe will help us improve the town's open space and recreation plan:

		Response Count
		58
	<i>answered question</i>	58
	<i>skipped question</i>	184

ABOUT THIS PLAN: Marshfield is a scenic South Shore coastal town thirty miles southeast of Boston. Its defining environmental features include expansive salt marshes, barrier dunes, and freshwater wetlands that are priority conservation areas for the state as well as very popular recreational areas. This Open Space and Recreation Plan update recommends steps in a seven-year action plan to advance the town's open space aspirations. Specifically the plan designates areas that are aquifer recharge areas and wildlife habitat providing connections between protected lands and offering more recreational opportunities.

Annie Cox, Jamieson Scott, and Jennifer Watkins

Conway School of Landscape Design • 332 South Deerfield Road • (413) 369-4044 • www.csld.edu



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